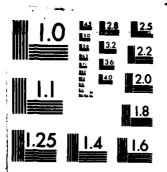
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18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure

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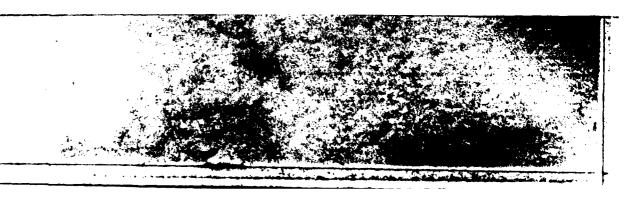
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

<u>COMMENT</u>: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.



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NOCD, Federal Building Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month and annual, all hours and years combined, by wind direction.
- 3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog . Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Surmary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "# OF OBS WITH PRECIP" and "# OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949.

Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Prequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

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FROM DAILY OPTERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIC	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAS	'AIL'	1.	23.4	٠.	48.		59.3	35.6	50.	10.1		67.2	1 ?
. c		1.	23.	5.	45.2	· ·	55.4	76.7	52.	7.	• :	63.4	7 ?
		÷ • 4	77.	2.	75.	1.	5.9.4	39.6	48.	4.	• :	53.4	မှဇ
		1	57.		10.4	1.2	55.4	73.	45.	• 1		55.5	(9
111		1 • 1	55.	₹ .	1.1		<0.1	33.8	44.4		• 1	74.3	1 ?
.j '.		22.	52.	•			46.7	34.5	54.			-1.4	1 i
J L		1 1 . (47.	2		• •	41.1	37.9	55.9			67.9	1 ^
e 5		1 ,	42.	3			35.5	47.4	64.			75.6	102
		17.6	43.	,		4	41.	41.	52.2			. 1 . }	4
		4.	61.		7.0		38.3	38.1	48.			ε, .	1 7
N nv		3.3	38 • 2		24.	• 3	51.2	37.9	49.3	2.2		61.	1000
D C		1.4	გ⊹.3	4.5	42.9	•1	58.2	41.7	49.8	4.9		65.8	1 7
TOTALS		1 .2	40.	1.8	17.6	. 4	47.8	38 - 1	51.2	2.5	•1	62.3	12 50

WEATHER CONDITIONS

STATION STATION NAME 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	SOF OBS WITH OBST TO VISION	NO. OF NO. 280
JAN	00	.6	5.2	1.6	14.5		20.3	13.7	4.8	3.5		25.8	715
	0.3	.3	3.2	1.0	14.2		18.1	18.4	4.5	2.3		24.2	312
-	06		3.2	1.3	15.4		19.3	19.9	4.5	2.0		26.4	
	59		1.3	1.6	19.3		21.2	21.5	8.4	4.2		31.8	711
	12		2.5	1.0	15.8		19.4	17.4	11.9	4.8		31.6	313
	_15		3.2	1.0	15.5		19.4	15.5	11.0	4.5		25.7	717
	18		3.5	1.9	15.2		19.7	20.0	7.7	2.9		28.7	310
	21	.6	3.9	-6	13.9		13.1	10.5	4.8	2.9		23.2	313
													·
TOTALS		. 2	3.3	1.3	15.5		19.4	18.5	7.2	3.5		27.6	2482

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STATION		STATION

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
äð		3.5	.4	12.8		16.0	13.8	5.7	. 7		19.9	78?
03		3.9	1.1	14.9		19.5	17.7	5.7	4		22.7	292
76		3.2	1.1	17.4		71.3	22.3	6 • ü	1.4		29.1	232
67		2.1		19.1		21.3	22.7	15.2	1.8		38.7	262
1.7		2.5	. 7	12.4		15.2	15.2	17.0	2.1		31.5	282
15		3.2	. 4	12.8		16.3	13.1	13.8	. 7		27.3	282
1 R		1.9	. 4	11.0		13.1	13.5	14.2	. 7		27.0	202
21		3.2	. 4	12.8		15.2	14.5	6.0	1.4		20.9	282
												·
	00 02 06 07 17 15	00 02 02 02 02 02 02 02 02 02 02 02 02 0	HOURS CLS.T. STORMS AND/OR DRIZZLE	HOURS (LS.T.) THUNDER AND/OR RAIN &/OR DRIZZLE	HOURS (LS.T.) THUMBER AND/OR DRIZZLE RAIN A/OR DRIZZLE STORMS ND/OR DRIZZLE STORMS SLEET	Columbia Columbia	HOURS CLS.T. STORMS AND/OR DRIZZLE RAIN A/OR AND/OR SLEET HAIL OBS WITH PRECIP.	HOURS CLS.T. STORMS AND/OR DRIZZLE RAIN A/OR AND/OR SLEET HAIL OBS WITH PRECIP. FOG	HOURS (LS.T.) THUMBER- AND/OR DRIZZLE RAIN A/OR AND/OR SLEET HAIL OBS WITH PRECIP. 00 3.5 .4 12.8 16.0 13.8 5.7 03 3.9 1.1 14.9 19.5 17.7 5.7 06 3.2 1.1 17.4 21.3 22.3 6.0 07 2.1 19.1 21.3 22.7 15.2 17 2.5 .7 12.4 15.2 15.2 17.0 18 3.2 .4 12.8 16.3 13.1 13.8 18 1.9 .4 11.0 13.1 13.5 14.2	THINDER STORMS AND/OR DRIZZLE RAIN A/OR SLEET HAIL OBS WITH FOG AND/OR HAZE SLEET	CLS.T. STORMS AND/OR RAIN A/OR AND/OR SLEET HAIL OBS WITH FOG AND/OR SAND AND/OR SAND	HOURS THUMBER AND/OR DRIZZLE RAIN A/OR DRIZZLE SLEET HAIL OBS WITH PRECIP. FOG AND/OR HAZE SNOW SAND TO VISION

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73-82

HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
440	32		2.4	3	7.4		15.5	17.1	4.5	. 3		20.6	
	37	. 3	10.6	.5	8.1		15.4	13.4	3.9	• 6	 	21.9	313
	35		8.4	• 6	6.1		14.5	29.1	9.0	1.7		36.8	?1"
	37	i 	6.5	1.0	8.1		14.9	20.0	16.5	• 3		35.5	31
	17	. 6	8 . u	.3	5.2		13.2	15.2	13.2	• 6	 	28.7	-1-
	17	. 3	7.7	. 3	7.1		14.5	14.5	11.6	. 3		26.1	71-
	15	3	9.7		4.2		13.9	17.5	10.0	• 3		76.0	75.0
	21	1.6	11.6		4.8		15.5	16.5	5.2			21.5	310
													
			 										
TOTALS		. 4	8.9		6.4		15.0	18.5	9.2	Į.		27.2	2479

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73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
191	0,5	1.7	11.0		2.5		12.7	9 . :	3.3	. 7		12.7	* qc
	<u> </u>	1.7	12.3	• 3	2.3		14.7	11.7	5 • ம	• 3	· · · · · · · · · · · · · · · · · · ·	16.7	700
	36	. 3	11.3		3.3		14.0	19.7	8.3			27.0	<u> ৰ্ু</u>
_	ျ		12.6		3.6		14.0	13.7	11.3			24.7	710
	1.7	.7	11.3		2.3		13.0	11.0	9.3		_	19.7	700
	15	3.0	11.0		2.7	·	12.7	8.7	9.0	• 3		17.7	300
	14	7.3	12.7		1.3	• 3	14.0	9.3	6.7	. 7		16.3	*63
	21	2.0	11.0		2.3		13.7	7.3	6.7	. 7	<u> </u>	14.3	300
TOTALS		1 . 3	_11.6	• 0	2.4	•0	13.5	11.3	7.5	. 3		18.6	2400

WEATHER CONDITIONS

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STATION	STATION NAME	TEARS	MONTH
		•	

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
· 4 •	25	1.3	7.4				7.4	12.3	6.1			17.1	317
	57	1.3	7.4				7.4	16.1	8.1			23.9	310
	25	1.0	9.4				9.4	23.9	13.5			34.5	317
	00		10.5				13.6	13.9	15.2			27.4	310
	12	6	8.1			ļ	3.1	7.1	15.2			21.9	110
	15	1.3	8.7				8.7	7.4	9.7		• 3	16.2	317
	18	1.6	9.4				9.4	9.7	7.7			16.1	315
	21	2.3	10.6			<u> </u>	10.6	12.9	9.0			20.0	310
TOTALS		1.2	9.3				9.0	12.9	10.6			22.2	2480

WEATHER CONDITIONS

15.35 GLESVIEW, IL

73-82

JUN:

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	rog	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
ויטנ	33	1.0	4.0				••0	9.7	4.7			14.0	300
	03	3.3	6.3		·	ļ <u>.</u>	6.3	14.6	6.3			10.3	309
	36	1.3	6.7				6.7	20.7	13.0			31.0	300
	€ Co	2.0	6.0				6.0	10.3	17.3	<u> </u>		27.0	300
	12	.3	5.3				5.3	3.7	14.7			18.3	300
	15	3.3	6.3				6.3	3.3	12.3			15.0	300
	18	4.3	8.3				8.3	6.0	10.7			15.7	300
	21	4.3	6.7			 	6.7	9.0	A . D			17.0	300
TOTALS		2.5	6.2				6.2	9.6	10.9			19.7	2400

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GLENVIEW IL STATION RAME

73-8

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00	2.9	5.5				5.9	12.9	14.5			24.5	315
		1.6	5.2				5.2	17.7	13.9			29.4	312
	06	4.2	6.1				5.1	22.9	22.6			42.3	313
	п°	_1.3	5.8				5.5	7.1	25.2		<u> </u>	31.6	217
	12	3	3.2				3.2	4 . 8	22.6			25.5	310
	15	1.0	3.5		- -		3.5	3.5	21.3			23.9	312
	13	2.3	6.5				6.5	2.9	16.8			19.4	310
	21	2.3	• • 8				4.8	6.8	19.0			25.2	310
											i		
TOTALS		2.0	Sal				5.1	9.8	19.5			27.5	2960

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AUS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HTHOM	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUC.	90	3.5	5.5				5.5	17.1	13.9			28.7	310
	0.7	2.9	5.5				5.5	27.7	14.2			35.8	310
	06	2.3	6.1				6.1	.0.€	21.3	ļ		51.9	310
	39	1.0	10.0				10.0	12.3	30.6			40.6	717
	12	.6	6.1				6.1	5 . 8	25.5			30.3	710
	15	2.3	6.8				5.8	4.8	23.9			28.1	310
	19	. 6	5.5				5.5	7.4	21.9			27.1	310
	21	1.6	3.9			-	3.9	12.3	19.4			29.0	310
TOTALS		1.9	6.2				6.2	15.9	21.3			33.9	2480

STATION STATION AND STATION HAM

13-82

SEP

PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	20	1.7	7.3				7.3	19.0	2.3			20.0	<u>300</u>
	0.3	7	9.01				3.0	19.0	8.7			24.7	100
	06	1.0	3.6				8.2	32.7	12.7			41.3	300
	33	. 7	6.0				6.0	11.3	22.3			32.0	350
	12	7	5.3				5.3	5.7	17.3			23.0	בחד
	15	1.0	8.3				8.3	6.7	14.7			20.3	300
	1 9	1.7	5.7		·		5.7	8.0	13.3	ļ 		20.0	305
	21	1.0	5.3		- · · · · ·		5.3	7.3	8.7			15.3	300
TOTALS		101	-6.9				- 0.9	13.1	13.3			29.46	2900

WEATHER CONDITIONS

14355	GLESVIEW. IL	
80 A T 1844		

3-82

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PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HTMOM	HOURS (L.S.T.)	THUNDER- STOPMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	POG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
207	<u>ac</u>	. 3	10.0				10.0	14.9	3.5			17.1	317
	ינ	. 3	8.4				8.4	16.1	5.5	ļ 		19.0	310
	ગ દ		5.8		• 3		6.1	24.8	7.7			29.4	717
	36		5.1				6.1	11.9	15.5			26.1	317
	1.7		5.8				5.8	7.1	11.6	1		19.1	310
	15	. 3	6.5		. 3		6.5	7.4	8.4			14.8	710
	19	. 3	8.4				8.4	11.0	9.7			18.4	310
	21	.6	7.7		• 6		8.4	11.3	4.8			15.8	310
TOTALS		•2	7.3		• 2		7.5	13.1	8.3			19.8	2487

14355 GLENJIEH. IL

PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	PREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NGV	בם		8.7		5.3		13.7	14.0	3.3			15.7	200
	_03	7	9.7		6.7		16.3	19.3	3.3			19.7	700
	06		9.7		5.7		14.0	24.0	4.7			26.3	300
	07	3	7.3		7.0		14.0	21.0	15.0			33.7	300
	12		7.0		4.7		11.7	13.0	15.3			27.3	300
	15	.3	5.7		6.0		11.3	11.3	10.7			20.7	300
	13	3	8.7		4.7		12.0	13.7	7.3			23.0	300
	21	.7	12.0		5.3	·	16.7	14.0	3.0			15.3	100
TOTALS		3	8.5	.0	5.7		13.7	16.3	7.8			22.3	2400

WEATHER CONDITIONS

STATION SYATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY GBSFRVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	rog	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
pr.c	10		9,5	.6	10.3		19.7	18.1	1.9	• 6		20.6	717
	5.0		8.1	• 3	13.5		21.6	21.9	2.3	1.0	<u> </u>	24.2	710
	<u> 76</u>		5.5	1.0	13.2		19.0	26.1	1.6	1.3		?8.4	71"
	၂၀	•	3.9	3	13.5		17.7	?6.5	6.7	2 • 3		35.8	311
	17		4.8		14.2		18.7	?2.9	11.0	1.9		34.5	317
	17		2.9	1.3	12.3		15.5	15.2	9.7	.6		24.2	21
	13		7.4	• 3	10.4		17.2	18.8	8 • 1	1.0		25.6	<u></u> 108
	21	. 3	7.8	1.0	8.4	 .	16.5	15.5	2,9	6		18.8	309
TOTALS		.0	5.2	•6	12.D		18.4	20.6	5.8	1.2		26.5	2471

NAVWEASERVCOM

WEATHER CONDITIONS

<u> </u>	SLEAVIER. IL	<u>73-82</u>	ALL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JA:	ALL	.2	3.3	1.3	15.5		19.4	18.5	7.2	3.5		27.6	2482
FET.			2.9	.6	14.2		17.2	16.6	10.5	1.2		27.2	2256
+ 4 .5		. 4	8.9	. 4	6.4		15.0	18.5	9.2	. 4		27.2	2479
# P 3		1.3	11.6	. C	2.4	•0	13.5	11.3	7.5	.3		18.6	2400
MAY		1.2	2 • C				9.0	12.9	13.6		• 0	22.2	2487
ره ورو		2.5	6.2				6.2	9.6	10.9			19.7	2400
JUL		2.0	5.1				5.1	7.8	19.5			27.5	2457
465		1.9	6.2				6.2	15.9	21.3			33.9	2980
15 P		1.1	6.9				6.7	13.1	13.3			24.6	2400
200		.2	7.3		. 2		7.65	13.1	8.3			10,8	2487
NOV		.3	8.5	.0	5.7		13.7	16.3	7.8			22.3	2400
25.0		. 3	6.2	.6	12.0		18.4	20.6	5.8	1.2		26.5	2478
TOTALS		.,9	6.6	. 2	4.7	0	11.5	14.7	11.0	. 5	.3	24.8	29215

14855 SLENVIEW, IL JANUARY 1973-DECEMBER 1982 JANUARY

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N	1.0		1.9	1.0		40.8			34.0		3.9	9.7		35.0
NNE	3.4					31.0			41.4		10.3	10.3		34.5
NE	4.7		2.3			48.8			33.2		4.7	20.9		30.2
ENE	10.7	2.2	4.3	2.2		34 . 8		2.2	41.3		15.2	8.7		28.1
E	4.3	2.1	2.1	6.4		12.8		2.1	42.6		17.0	4.3		36.2
≓SE	4 . 3	4.3	6.4	2.1		8 . 5		4.3	29.8	4.3	19.1			44.7
SE	3.2	6.5		3.2					32.3		22.6			51.6
SSE	4.0	2.0	12.0	10.0		26.0		2.0	38.0	4.8	16.0			24.0
S	5.7	1.3	5.D	3.1		13.8			24.5	1.9	12.6	1.9		53.5
SSW	2.2		2.7		.5	15.2			15.8		7.6	2.2		64.7
sw		•6	1.9	1.3		13.8			15.7		6.3	1.3		71.1
WSW	. 9	. 4	1.3	.4		8.3			12.3		8.8	1.3		73.7
w	• 5		1.5	1.0		10.6			7.9		2.9	4.1		78.6
WNW	• 3	• 3	1.7	1.4		7.1			9.5		2.0	2.4		83.3
NW	• 5					19.0			10.0		2.0	6.0		71.5
NNW	1.2		1.2	1.2		28 . 1			16.8		4.2	4.8		58.1
VARIABLE	•													
CALM	> •र		>k($\geq \leq$	$\geq \leq$	> ₩₹			>>20	> ₹	> √√	$\geq \leq$	$\geq \leq$	34
TOTAL	45	12	51	31	1	383		5	447	12	156	87		1606
7 TOTAL	1.5	.5	2.1	1.2	•0	15.4		•2	18.0	• 5	6.3	3.5		64.7

TOTAL NUMBER OF OBSERVATIONS 2,482

NAVWEASERVCOM

14:55 CLENVIEW, IL JANUARY 1973-DECEMBER 1982 FERRUARY

WIND DIRECTION	64.N	PAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING ORIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N	2.9	· · · · · · · · · · · · · · · · · · ·	1.0			27.2			34.0		4.9	4.9		49.5
NNE	2.4	1.2	1.2		1.2	26.5			30.5		12.2	2.4		45.1
NE	4 • 3	1 • 1	4.3	1.1		22.3			26.6		2.1	1.1		56.4
ENE	2.3	2.3	8.0	3.4	1.1	21.6			22.7		6.8	1.1		51.1
E	3.5		1.7	1.7		19.1			25.2		11.3	2.6		52.2
ESE	10.0	2.5				17.5			25.0	2.5	15.0			27.5
SE	8.1	2.7				21.6			7.2.4	2.7	13.5			32.4
SSE	5.4		2.9			11.8			14.7	2.9	17.6			61.8
s	1.7	.9	1.7	. 9		7.8			12.9		11.2			68.1
55 W	1.4	. 5	1.4			7.7			16.3	1.4	11.1			64.9
5₩	1.2		1.8	1.2	i	8.8			10.5	1.2	15.8			67.3
wsw	1.4				I	7.9			11.4		18.0			75.0
w.	• 5		• 3	• 3		7.9			6.6		7.3	.6		80.4
WNW	• 5	i :				9.4			8.2		8.2	1.2		80.1
N*		·				20.0			7.1		4.3	2.1		72.9
NNW			7.1	. 7		29.4			11.2		7.0	4.9		60.1
VARIABLE	L													
CALM	><4	$\geq \leq 1$	<u>_</u> >≠•₹		$\geq \leq$	>0-(1	$\geq \leq$		70.0		>>≥ €€	$\geq \leq$	$\geq \leq$	>8<
TO*A_	34	8;	33	1	2	319			356	19	214	26	i	1459
TOTAL	1.6	. 4	1.5	• 5	• 1	14.1			15.8	• 8	9.5	1.2		64.7

TOTAL NUMBER OF OBSERVATIONS 2,256

NAVWEASERVCOM

14655 TEPNIEN, IL JANUARY 1973-DFCEMBER 1982 MARCH

WIND DIRECTION	₽Δ .	PAIN SHOOM EPS	DRIZZLE	FREEZING PAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
7	5.5	1.5	4.4	. 7		10.9			26.3		5.1	2.2		62.8
NNE	4.5	3.1	2.3			11.5		• 3	27.7	3.	6.9			61.5
NE	7.7	•9	4.3		1.7	13.7			30.8	1.7	10.3	• 9		53.°
ENE	6.3	4.7	9.4			11.C		• <u>\$</u>	26.8	8.	5.5	1.6		53.5
E	5.5	4.9	4.9			9.1		•6	23.8	•6	11.0	. 6		55.5
ESE	4.5	11.1	1.6		3.2	3.2		1.6	33.3		17.5			41.3
SE	18.6	6.8	3.4	4.	; • · ·- ·			3.4	25.4		13.6			47.5
SSE	12.1		1.7	• · · · · ·	· · · · · · · · · · · · · · · · · ·	1.7		3.4	25.9		13.8			55.2
s	6.3		• 5	ļ		2.6			17.5	1.6	12.2	• 5		61.4
\$5 .	4.4	1.9	2.5	<u></u>		3.1		•6	18.2	.6	13.2			64.8
5₩	2.4		1.2		· •	3.0		•6	8.3	• 6	5 • 5			76.2
wsw	2.0	2 • 2	1.5	i		4.4			9.5	. 7	6.6			77.4
	- 4	4	$\frac{1 \cdot 1}{1 \cdot 2}$	1		4 . 2			5.7		3.8			37.5
NNW	<u>1</u> •ċ	•6	1.2	! 4		5.3			5.8		6.4	.6		82.5
NW	7.1		. 7		.	9.8			9.1		4.2	.7		78.3
NNW		1.0	2.9	1.0		12.4			10.5	1.9	10.5	1.0		69.5
VARIABLE	_													
CALM	>न्य		> শ্ব		$\geq \leq$	>	$\geq \leq$	$\geq \leq$	>> ₹	\triangleright	\rightarrow	$\geq \leq$	><	> ₩₹
					!									
TOTAL	101	59			 _			1.0	437		216	12		1661
* TOTAL	4 - 1	2.4	2.6	.4	. 4	6.1		. 4	17.6	- 9	8.7	. 4		67.0

TOTAL NUMBER OF OBSERVATIONS 2,47

JANUARY 1973-DECEMBER 1982 PALIF 14 - 55 TLETO IEM. IL

WIND :	64,4	PAN SHOWERS	DP ZZcE	FREEZING RAIN FREEZING CPIZZLE	SLEET SHOWERS OF CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMORE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N	12.1	3 . 3	4.4		•	4.4		•5	21.4		4.9	1.1		56.5
NNE	3 • 5	3.0	2.5	1		3.5		•5	12.3		5.0	1.0		78.5
ΝE	11.3	4 . C	1.3	•- ·- · - ·	1.3	€.7		1.3	14.7		ۥ7			67.3
ENE	o	5.8	1.4			2.2		1.4	11.5		6.5	.7		74.8
E	4.5	6.1	1.7	1	•	• 6		2.8	9.5		9.5			75.4
ESE	c • 8	7.8	2.9	Ī	1.0	2.9		1.0	14.7	2.0	19.6			53.9
5E	₹.3	11.5	1.6	1					9.8	1.6	14.8			62.3
35E	3.3	9.5	2.4	i					19.0	1.2	4.8			67.9
٢.	3 • 6	7.8	<u>•</u> 5	i		• 5		2.5	11.3		11.3			68.6
<u> 554</u>	4.1	11.6	1.4					2.7	10.9	. 7	6.8			70.7
5#	2 • 3	4.7	2.3		. 8	. 8		1.6	3.9	• 8	3.9			83.7
WSW	1.6	2.8	2.8	Ī			. 9	1.6	2 • 8	• 9	6.4			96.2
w-	2.6	3.3	1.7			2.2		2.2	5.7		3.9			81.7
WNW	4.6	1.9				2.8		.0	2.8		2.8			88.3
NW	ું કું કું	1.3	5.0]		10.0		1.3	8.8		1.3	1.3		76.3
NNW	5.3		5 . 3	1.8		7.0		1.8	12.3		7.0	3.5		65.4
VARIABLE				I										
CALM		_	<u> </u>	$\square < $		>	><	$\geq <$	> ₹€	\supset		><	><	7000
TQTAL	11=	115	46	1	4	54	1	32	252	18	173	6		1737
TOTAL	4.9	4.8	1.9	• 2	• 2	2.3	• 0	1.3	10.5	. 8	7.2	• 3		74.5

2,430 TOTAL NUMBER OF OBSERVATIONS __

NAVWEASERVOOM

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1 + 155	<u>LUTNATEM, IL</u>	JANUARY 1973-DECEMBER 1982	MAY	
STAT-CS	STATION NAME	7 E AR 5	MONTH	HO.RS L.S.T.

WIND DIRECTION	RA.N	PA-N SHOWERS	! RIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	· • 1	6.1	4.8		·	!		1.8	15.6		3.6			69.7
NNE	2.7	3.1	1.8		Ī			.4	17.0		8.1			72.2
NE	7.3	4.4	3.9		Ī			•6	13.3	2.2	17.6			70.5
ENE	3.8	4.3	2 • 2					• 5	13.6	1.1	9.2			73.9
E	4.5	9.0	• 5					1.5	16.1	2.5	10.6			65.0
ESE	<u> </u>	9.0	1.0					3.0	10.0		20.0			65.0
SE	2.3	a . 2						2.0	10.2		22.4			0 3 . 3
SSE	3.9	9.8		<u>.</u>	<u>.</u>			5.9	7.8		17.6			62.7
5	1.1	9.0	1.1			!		2.9	8.6	1.1	15.4			70.3
55 w	1.8	10.1			<u> </u>	<u>'</u>		2.4	7.1	2.4	9.5			70.2
SW		4.3	1.7		<u> </u>			.9	5.1	. 9	9.4		. 9	82.1
wsw	1.5	4.9		 				1.6	4.9	1.6	4.1			63.6
w		1.0	. 6		<u> </u>	<u> </u>		•6	2.5		5.6			90.5
WNW	1.1	3.2	2.2		<u> </u>			1.1	8.6		4.3			84.9
NW	3.4		1.7		<u>.</u>			1	6.8	1.7	3.4			83.1
NNW		13.3		ļ •	; -•				6.7	6.7	6.7			70.0
VARIABLE														
CALM	><	\geq	> ≪₹	$\geq \leq$		$\geq \leq$	$\geq \leq$	$> \alpha$	> **(> ₩ √	$\geq \leq$	$\geq \leq$	
TOTAL	5.5	1 32	35		1			31	278	42	258		1	1805
TOTAL	₹•2	5.3	1.4		1		-	1.3	11.2	1.7	10.4		•0	72.8

TOTAL NUMBER OF OBSERVATIONS 2,480

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14055	TLENVIEW. IL	JANUARY 1973-DECEMBER 1982	June	
STATUM	THAT THE CAME	YEAR5	MONTH	HOURS L.S.T.

WIND DIRECTOR		PA N	DR-22LE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS -GE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
T	1.7	5.8	1.7		·	1		3.3	18.3		3.3			72.5
NNE	• t-	6.2	.6					3.7	9.3	2.5	5.6			78.3
NE	. 4	1.6	• 8		T	I 1		• 3	7.9	• 8	10.3			81.0
ENE	• ₹	€.7						3.1	10.2	. 8	8.7			74.3
E	1.5				: - 1			1.5	6.7		21.6			68.7
ESE	1.4	6.8		Ĺ		I		4 • 1	6.8	4.1	12.2			73.0
5E		13.8		i	+ · · · · · · · · · · · · · · · · · · ·			6.9	17.2		20.7			56.9
SSE		13.0			<u> </u>	L		5 . 6	9.3		16.7			66.7
<u>s</u>	6	9.0	• 6		<u> </u>			2.8	6.8	2.3	15.8			67.8
55*	• 5	4.4		i •—	<u> </u>			1.5	7.4	1.5	14.2			74.0
5**	2.0	3 • 3						1.3	4.6	. 7	8.6			82.2
L. *SW	1.5			, •		<u>. </u>		1.8	3.0	1.8	7.9			84.2
- * · ·	1.3			:	i			3.3	1.3		5.0			90.0
WNW	1.0			·				3.9	3.9		7.8			84.3
NW	2.3	7.0			<u> </u>	<u> </u>		4 . 7	9.3		7.0			81.4
NNW		15.2			<u> </u>			6.5	10.9		10.9			69.6
VARIABLE						<u> </u>								
CALM	ે≃્ડ	>10	$\geq \leq$		$\downarrow > <$		≥≤	>	≯% √	> મ્હ	≯ ₹	$\geq \leq$	\searrow	>>
701AU	24	120						60	186	44	253			1837
TOTAL	1.	5.0	• 2		Ī			2.5	7.8	1.8	10.5			76.5

TOTAL NUMBER OF OBSERVATIONS _______ 2 +450

14 555 SLE GVIEW, IL JANUARY 1973-DECEMBER 1982 JULY

WIND DIRECTION	RA N	PANA SHIDWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZIE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N 1	۶.	6.2	. 9		† <i>–</i>			1.8	17.7	5.3	14.2			61.1
NNE	• 6				1			† · · · · · · †	14.2		12.3			75.3
NE 1	.7	2.1	. 7		Ţ			1.4	10.5	1.4	13.3			73.4
ENE	• 7	2.7	1.3					1.3	6.7		16.1			74.5
Ε	3.2						_	1.9	9.0		21.3			70.3
ESE	1.4							2.7	9.6		15.1			72.6
SE		10.9						4.3	15.2		30.4			58.7
SS€		13.2						2.6	21.1		36.8			42.1
3	0 و ٍ	5.8	• 6					3.2	2.6	1.9	31.6			58.7
55.W	1.7	2.9			1			2.3	5.8		26.2			65.1
5*		2.8	1.7		<u> </u>			1.7	5 • 6	1.1	23.7			65.0
ws.w	1.7	4.5		: :		1		2 • 3	3.4		26.1			67.0
*		5.0			 - 			2.3	5.0		16.5			72.9
WNW.	1.3	5.0						1.3	3.8	1.3	13.8			76.3
\w.		3.2						3.2	4.8		4.8			87.3
NNW .	7 • 4	1.7	3.4					3.4	12.1	1.7	1.7			77.6
VARIABLE.	_							L						
/ALM	<u>`</u> >~€	>2-6	>~{				$\geq <$	> ₩€	>44	>46	> ₩<	$\geq \leq$	\sim	>** <
TOTAL .	24	91	13					49	206	38	464			1726
∿ fotal	1.7	3.7	. 5					2.0	6.3	1.5	18.7			69.6

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

14355 CLENVIEW, IL JANUARY 1973-DECEMBER 1982 AUGUST

WIND DIRECTION	RAIN	PAIT4 SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N	1.0	A . 3			T			3.1	17.7		13.5			72.8
NNE		3.8							18.1	1.9	19.0			67.6
NE	1.6	4.0	1.6					• 8	12.8		13.6			72.0
ENE	• 3	3.0	. 8					• 8	10.6		15.2			75.8
E	1.7	4 . 4	1.3		i —				15.6	• 6	25.6			58.8
ESE	2.4	1.2	2.4		.)			1.2	14.5	7.2	28.9			54.2
SE		4.8		ļ 	<u> </u>	<u> </u>			19.0	2.4	31.0			47.6
SSE	2 • 3					i		4 . 5	27.3		22.7			43.2
<u>s</u>	2					<u> </u>		3.0	13.0	1.7	37.7			47.2
35 W	1.4	8.7		!		<u>L</u>		3 . 2	11.9	3.2	32.4			50.7
Sw.	• 5	5.0	. 6		·			1.7	3.3	1.1	31.1			59.4
wsw		4 . D	1.1		L			1.7	6.8	• 6	14.8			72.7
w	• 5				1			1.8	7.3	1.2	5.5			PO-5
WNW		9.3	1.3					4.0	10.7	1.3	13.3			70.7
NW	1.6		1.6					4 . 8	4.8	3.2	8.1			77.4
NNW	3.4	5.2	1.7		<u> </u>	ll		6.9	10.3	5.2	8.6			72.4
VARIABLE														
CALM	≥≪₹	> ≥€₹	>~4	\geq	$\geq \leq$		$\geq \leq$	\nearrow	7	\triangleright	X	$\geq \leq$	$\geq \leq$	
TOTAL	24	115	14				_	46	330	65	503			1570
7 TOTAL	1.0	4.6	. 6					1.9	13.3	2.6	20.3			63.3

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

14955 CLENVIEW, TL JANUARY 1973-DECEMBER 1982 SEPTEMBER
TEARS MONTH HOURS CLISITED

WIND DIRECTION	PA F.	PA:N SHOWERS	ORIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS CE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE	BLO HING	BLOWING SAND AND DUST	NO WEATHER
	4.3	5.2	7.8	Ī	1			1.7	17.4	1.7	2.6			68.7
NNE	2.5	5.7	2.5	T				1.6	10.7	2.5	6.6			75.4
NE	2.7	1.8	. 9			L		.9	12.4		13.3			73.5
ENE		1.1	1.1	I	1				9.9	1.1	9.8			80.2
E	8.1	7.1	5.0		I			2.0	20.2	1.0	14.1			61.6
ESE	3.0		3.0	L	i 			3.0	14.9	1.5	19.4			58.2
SE	5.9	5.9	2.9	<u> </u>	·			2.9	17.6	11.8	29.4			41.2
SSE	4.3			· • · - · · -	<u> </u>			4.0	22.0		22.0			50.C
5	2.8	3.3		L				•9	7.0		22.1			65.3
55.W	2.3	4.1		<u> </u>	1	L		•9	8.6	2.3	22.3			63.6
SW			. 7					Ll	5.9	2.0	12.4			79.7
wsw	• 7							• 7	8.3		11.8			81.3
₩	• 5	3.2	1.1		1			1.6	6.9		14.9			77.1
WNW	_•3	6.7			.l		·	3.4	2.5		6.7			84.9
NW	• ?	4.4	1.8		1			.9	8.0		6.2			80.5
NNW	3.4	4.3	6.0	ļ				Ll	13.8	. 9	3.4			77.6
VARIABLE														
CALM	<u>></u> >★ ৻ ৾	> ⊁ ર્0	>⊴		$\geq \leq$	$\geq \leq$	$\geq \leq$	><	≯₩ ₹	\triangleright		$\geq \leq$	$\geq \leq$	XX
TOTAL	51		33					25	256		305			1730
* TOTAL	2.1	3.4	1.4		L			1.0	10.7	2.4	12.7			72.1

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

14855 SLENVIEN, IL JANUARY 1973-DECEMBER 1982 GCTOBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING ORIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	\$LOWING	BLOWING SAND AND DUST	NO WEATHER
N	13.1	1.2	6.0						15.5	1.2	6.0			73.8
NNE	4.6	5.6	2.8			• 9		• 9	17.6		7.4			70.4
NE	5.0	3.4				1 • 1			14.8		9.1			69.3
ENE		6.3	4.2					2.1	6.3		12.5			70.8
E	4 . 4	8.8	1.5					1.5	19.1		16.2			63.2
ESE	16.7				i +				24.1		14.8			57.4
S€		2.9			<u> </u>				11.8		20.6			70.6
55€	16.4	9.1		<u> </u>		1.8		<u> </u>	29.1	1.8	18.2	Ĺ		41.0
<u>s</u>	2.9		1.5	ļ	ļ			.4	11.4	2.2	19.1			67.6
55.W	2.9	5.8		<u></u>	<u> </u>				10.0	. 8	7.1			76.8
54	3.4	2.0	1.0	i +					5.9	2.4	6.3			82.4
₩ S₩	1.5	2.2			4				5 • 1	2.2	5.1			86.1
w	1.6	2.4	. 4	1.	1	l I		. 4	4.9		2.0			89.9
WNW	1.4	.7	. 7	<u> </u>	i				4.3		1.4			92.9
NW	2.4	. 8	1.6	I		. 6			6.4		1.6	L		89.6
NNW	3.7	1.8	3.7						4 . 6		1.8			88.1
VARIABLE				1										
5 A C M	`> ∤ र्	> ₹₹	> </td <td>\leq</td> <td>$\geq \leq$</td> <td>$\geq \leq$</td> <td>$\geq \leq$</td> <td>$\triangleright \checkmark$</td> <td>>₩₹</td> <td></td> <td>\geq4</td> <td>$\geq \leq$</td> <td>$\geq \leq$</td> <td>></td>	\leq	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\triangleright \checkmark$	> ₩₹		\geq 4	$\geq \leq$	$\geq \leq$	>
TOTAL	87				ļ			6	267	57	201	L		1897
* TOTAL	3.5	2.8	1.1			• 2		•2	10.6	2.3	8.1		[76.5

TOTAL NUMBER OF OBSERVATIONS 2+480

NAVWEASERVCOM

14-55 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 NOVEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIR SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMORE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N	11.8	5.3	3.9			3.9			13.2	1.3	1.3			67.1
NNE	11.4	1.4	2.9	Ī		7.1		1.4	28.6		14.3			51.4
NE	15.3	4.7	4.7		1	2.3			41.9		2.3			48.
ENE	7.4	3.7	1.9			9.3			24.1	3.7	7.4			61.
E	16.9	2.8	1.4		1.4	15.5		1.4	21.1	2.8	11.3			43.
ESE	76.5	2.9	2.9		1	2.9			29.4	5.9	17.6			41.7
SE	10.0	13.3	3.3	İ					26.7	3.3	26.7			30.
SSE	8.2	8.2	4.1			2.0		2.0	20.4	2.0	26.5			40.
5	3.6	4.9	5.8			3.1		.4	20.0	. 4	10.2			64.
SSW	3.5	2.3	1.6			1.2			10.5	1.2	7.4			77.
5.4	1.0	2.5				3.0			12.9	1.0	9.0			74.
wsw	1.5	2.0	1.5	1		11.6			10.1	1.0	3.0			73.
w	.7	.7	1.3			4.9			3.3	• 7	3.9			86.
WNW	2.1	1.4	1.4			6.3			7.6		. 7			86.
NW	3.1	. 6	3.7	.6		15.4			9.9		3.7			74.
NNW	4.7		2.7		1	10.1			6.8	• 7	5.4			75.
VARIABLE														
CALM	> ₩₹	>+4 ?	> </td <td>$\geq \leq$</td> <td>>4</td> <td>> ব</td> <td>$\geq \leq$</td> <td>>₫</td> <td>≯₩6</td> <td>740</td> <td>>>•4</td> <td></td> <td>$\geq \leq$</td> <td></td>	$\geq \leq$	>4	> ব	$\geq \leq$	>₫	≯ ₩6	740	>>• 4		$\geq \leq$	
TOTAL	99	55	52	1	2	135		7	347	43	184]	166
- TOTAL	4.1	2.3	2.2	.0	.1	5.6		.3	14.5	1.8	7.7		<u> </u>	70.1

TOTAL HUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

14855 TLENVIEW, IL JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION	PAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
2	7.7	1.0	3.0			27.0			37.0		1.0	1.0		47.C
NNE	70.3		1.7			13.6			33.9	1.7		1.7		54.2
NE	9.6					21.2		1.9	17.3		1.9	7.7		55.8
ENE	3 • 1		6.3			15.6			21.9		15.6			53.1
£	10.1	1.4	8.7	5.8		17.4			36.2	1.4	11.6			37.7
ESE	10.2		16.3	8.2		6.1			42.9	2.0	14.3			34.7
SE	6.7	6.7	4.4			13.3			33.3		8.9			51.1
SSE	1.4		4.1	1.4		11.0			21.9	1.4	16.4			53.4
s	4 . 5	1.4	3.2			5.0			24.0	.9	7.2			64.7
55.	1.6	2.3	2.3	. 4		2.3			17.6	. 8	7.0	. 8		70.7
5₩	• 5	3.8	1.4			7.1			19.0		2.8			71.6
#5 W	1.0	1.0	1.0			12.6			15.6		6.5	1.0		71.4
w	• 6		. 6			11.C			10.1		5.8	1.8		75.9
WNW	1 • 1	1.1	1.1			10.1			8.5		3.7	2.1		77.8
NW	2.2					15.7			9.6	• 6	1.1	1.7		79.2
NNW	4 • 3	•6	. 6	1.9		75.3			16.0		1.2	3.7		63.6
VARIABLE														
CALM	>~	> ⊀•€	>ব্	≥ ₹	><	> *€	><	\times	X	> ₹₹	\nearrow	$>\!\!<$	$>\!\!<$	Seq.
TOTAL	ខន	31	50			297		1	484	27	139	29		1625
TOTAL	3 • 2	1.3	2.0	• 6		12.0		.0	19.5	1.1	5.6	1.2		65.6

TOTAL NUMBER OF OBSERVATIONS 2,478

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

14355 CLENVIEW, IL JANUARY 1973-DECEMBER 1982 ALL

WIND DIRECTION	RA:*₁	RA N SHOWERS	E/RIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
N	5.3	3.7	3.4	• 1		8.8		1.1	22.2	.7	5.3	1.5		62.5
NNE	3.6	3.3	1.6		• 1	4 . 6		• 9	18.2	. 8	8.6	.6		68.9
ΝE	5.0	2.6	2.0	•1	• 3	6.4		. 7	16.9	• 7	9.3	1.2		66.6
ENE	3.0	4.1	3.0	. 7	•2	5.1		1.1	15.1	• 6	10.2	. 7		68.1
E	4.9	4 . 8	1.9	. 8	. 4	4.6		1.3	17.7	8.	15.1	. 4		61.0
ESE	6.4	5.2	2.7	.6	. 4	2.5		1.9	18.8	2.3	18.3			54.8
SE	4.5	8.2	1.3	•2		2.7		1.9	20.2	1.5	20.5			52.3
SSE	5 • 2	7.2	2.3	. 9		4.4		2.3	21.4	1.6	17.8			51.9
s	3.1	4.6	1.7	. 3		2.4		1.3	13.5	1.5	17.5	•2		63.0
35₩	2.3	4.4	1.0	•0	0	2.4		1.0	11.7	1.3	13.6	•2		68.1
SW	1.2	2.6	1.1	•2	.0	3.2		.6	8.8	1.2	11.4	• 1	•0	74.3
wsw	1.3	2.1	. 8	•1		4.4	• 1	. 8	8.2	. 7	9.5	. 3		76.7
₩	. 7	1.7	• <u>8</u>	•2		4.6		. 8	5.9	. 3	5.9	. 9		82.2
WNW	1.2	2.1	. 9			4.6		. 8	6.8	• 2	5.0	. 8		83.0
\w	1.8	1.5	1.2	•2		10.4		.7	8.3	. 4	3.4	1.5		78.2
NNW	2.6	2.0	2.5	. 7		13.5		. 8	11.6	. 8	5.1	2.0		69.7
VARIABLE					<u> </u>									
CALM	> ⊀•1	ે •ા		\sim 4	>1	>==	$\geq \leq$	∑ ব্	>**J	> ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	> ₩4	$\geq \leq$	$\geq \leq$	> ₹4
TOTAL	744	888	424	70	19	1344	1	272	3846	445	3066	161	1	20386
TOTAL	2.5	3.0	1.5	•2	•1	4.6	• 0	. 9	13.2	1.5	10.5	.6	.0	69.8

TOTAL HUMBER OF OBSERVATIONS 29,214

PAVWEASERVCOM

3

NOCO. Federal Building Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION
SNOWFALL*

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945

Jan 46-May 57

Jun 57-present

Snow depth at 1230 GCT

Snow depth at 1230 GCT

U. S. Navy and Weather From beginning of record thru Jun 52 Snow depth at 0030 GCT
Bureau Stations Jul 52-May 57 Snow depth at 1230 GCT
Jun 57-present Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATIONS

+ 55 SUESVIEW. IL

STATION NAME

VE 40

į						AM	OUคีรร (II	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	01	02- 05	06-10	1125	.26- 50	.51-1.00	1.01-2.50	2 51-5.00	5 01-10 00	10.01-20.00	OVER 20.00	laa	TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5-3 4	3 5-4.4	4 5-6 4	6.5-10.4	10.5-15.4	15 5-25 4	25.5-50 4	OVER 50.4	MEASUR-	OF OBS.	MEAN	GREATEST	LPAST
SNOW- DEPTH	NONE	TRACE	1	2_	3	4.6	7.12	13-24	25-36	37 - 48	49-60	61-120	OVER 120	AMTS				
JAN	• 5	27.6	2.7	٥.3	K . 4	7.4	4.2	1.8	1 - 1					31.9	1116	1.58	5.14	• 2 7
FEB	47.0	26.2	2.7	9.2	4.7	7.4	7.5	2.3	• .	,		:		39.1	1017	1.42	3.13	• 2 1
MAR	4] • S	22.	1.7	7.3	5.€	7.6	6.4	4.3	1.1			:	1	35.5	1065	2.71	5.29	• 3 7
APR	44.5	15.4	1 • %	9.2	4.0	10.3	7."	5.6	2.3				1	43.1	1113	3.63	6.25	4
MAY	4 ° • €	14	1 . 7	₹.3	3.7	8.5	7.4	5.8	1.5					37.	1147	3.36	7.56	. ', "
אטנ	t 4 • 2	11.	?. ₹	5 • 3	3.4	7.2	7.2	5.6	3 • 1	•4				34.7	1080	4.20	H.04	• 7'
JUL	5 .6	1:.3	1.5	5.8	3.2	4.8	6.5	4.3	2.4	.5	• 1		!	29.1	1178	3.93	11.15	•
AUG	/ 1 • 2	10.4	1.1	5.6	3 • 3	6.2	4.7	5.2	2.1	•2				29.4	1147	3.14	7.26	•5
SEP	5 .7	12.7	1.7	5.4	3.7	5 • 5	4.6	5.2	2.4	•2				28.6	1090	3.18	3.88	T-AC
ОСТ	61.7	17.1	1 • °	5.2	4.3	5.8	3 • 3	3.2	1.2	•2				25.2	1147	2.27	9.14	•22
NOV	4 ` • 5	19.3	1.0	6.1	5.5	7.9	۶.6	4.1	. 7					31.2	1050	2.34	5.30	•51
DEC	41.4	25.4	2.9	7.1	6.0	6.7	5.9	2.5	1.2	•1				33.2	1147	2.47	5.00	• 4 3
ANNUAL	· .4	17.4	7.0	7.2	4.4	7.1	5.5	4.2	1.6	•1	• ::			32.2	13334	34.58		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWF AT L

LE - / IFW , IL 45-47

						AM	อบคีร (เเ	HCHES)						PERCENT		MON.	THLY AMO	DUNTS
PRECIP	NONE	TRACE	.01	.0205	.0610	.11 25	.2650	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00		TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5-3 4	3 5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEASUR-	OF OB\$.	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7.12	13-24	25-36	37-48	49-60	61-120	OVER 120	AMTS				
JAN	1.7	76.4	€.7	7.8	*• ^	2.0	• 6	• 9	. 7	• 1	• 2	}		21.5	1116	11.7	49.2	•
FEB	5+•"	?*•5	5.7	8.3	?•7	5•0	• 3	.6	. (• 1				19.7	1517	7.8	29+3	•
MAR	17.4	/1.	5.6	5 • 2	1 • °	1.1	• *	1.1	• 4			1		15.7	1354	7.3	29.5	•
APR	3.4	٠.٠	1.	1.0	• 7	• 3	. 4		• 1	•1				3.1	1050	1.8	14.4	•
MAY	9.	1.0											† !		1147	FRICT	TPACE	•
NUL	49.0	• 1													1080	PRACE	FRACE	• *
JUL													 		1147	•:0	• 1."	•
AUG	1: 7.3								_						1147	•0	•:	•
SEP	59.3	• 1													1030	FRACE	32461	•
ОСТ	26.∙9	2.5	• 1	• 1	• 2		• 1	• 1						• 5	1147	.4	7.0	•
NOV	75.7	15.7	7.5	2 • 8	• 9	. 5	• 1	. 4						7.4	1380	2.8	9,6	P 4 2 5
DEC	5 - 7	24.3	5.8	5.9	2.9	1.1	1.2	• 6	• -	• 3				18.4	1147	9.5	35.3	FAC
ANNUAL	5. • J	10.5	2.4	2.5	• 9	.6	. 7	. 3	• 2	• 7	3.			7.2	13212	41.3	X	\times

NAVWEASERVCOM

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNO DEPT (FROM DAILY OBSERVATIONS)

19055

SLENVIEW. IL

STATION NAME

VEA

į						AM	OUÑTS (II	NCHES]	_					PERCENT		MON	THLY AMO	UNTS
PRECIP	NONE	TRACE	01	02- 05	.06-10	11- 25	26 - 50	51-1 00	1 01 -2 50	2 51 5 00	5 01 -10 00	10 01-20 00	OVER 20 00		NO.		(INCHES)	
SNOWFALL	NONE	TRACE	01-0.4	0 5-1 4	1 5-2 4	2534	3 5 4 4	4564	6 5 10 4	10 5-15 4	15 5 25 4	25 5-50 4	OVER 50 4	MEASUR-	OF OBS	MEAN	GREATEST	LEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7.12	13-24	25-36	37 - 48	49.60	61 120	OVER 120	AMTS				
JAN	7 .4	2 • 5	13.°	7.7	7.7	13.1	7.4	3.5	. a	• *				54.5	1023		!	
FEB	77.	19.5	11.6	6.5	6.	13.4	7.9	5.3	2.7					57.	967		i	
MAR	1.7	15.3	5.4	4 . 3	2.4	6.5	7.3	• 3						72.7	1 50			
APR	\$ ·		• 5	. 7	• 4	• 4					•	•	•		1 .20		:	
MAY	1	•	i									•			1027			
JUN	117.7											•		•	1020			
JUL	100.7		!								•		<u> </u>		1054		-	
AUG	1:0.7										:	i	:	! 	1054			
SEP	1-0.3		!					·							1020			•
ОСТ	99.	اد •	• 2	• 1	• 1									. 4	1023		+	
NOV	F & C.	7 . 1	3.6	1.0	• 7	. 9	• 1							6.2	1620		1	
DEC	4 .€	2"."	9.0	5.7	7.7	6.5	7 • r	1.2				 	,	33.4	1085			!
ANNUAL	71.4	7.1	7.0	2.2	1.0	3.4	2.2	۰۵		•1				14.4	12356			\searrow

NAVWEASERVCOM

EXTREME VALUES

POTCIPITATION FROM DAILY OBSERVATIONS

STATION

STATION NAME

45-47

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH													
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
45				. 75	2.17		. 95	1.31	•92	.77	• 3 1	.47	
45	• 5 °	. 24		• 25	.56		•26			.12		1.17	
47					.96	1.37	.90	•58					
4.9	1.30	• 91	1.95	• 33	1.43	1.36	. 32	.37	1.5	. 4 E	.53	• c	1. 1
11.9	1.51	. 44	.95	.37	•5≎	3.76	2.19	•15	.46	. 94	•6€	1.24	4.45
50	1.27	1.02	•66	1.31	31	2.89	.74	.74	1.14	.67	. 34	.75	∵. •
- 1	•63	. 64	.95	.86	2.13	1.37	7.62	1.76	1.26	1.02	• 3 3	1.23	7.17
- 2	1.27	. 25	.87	1.25	•77	2.50	1.97	• 7 🖰	. 65	.14	• 76	.84	2.57
1.3	• 4 7	• 55	1.13		1.27	. 85	• 75	.83	43.	.22	•52	- 8 7	7.7
- 4	• 5 3	•61	1.75	2.35	•71	1.49	1.75	1.33	• 1 °	3.55		• * * *	1.54
15	.77	• 30	• 3 0	. 64	1.77	• 73	• 90	•t·2	-85	2.30	• 55	• 7	7.7
56	•17	• 52	• 4 17	1.41	.70	• 46	.49	1.58	• 25	.72	• 6	• 3 •	1.5
5.7	1.23	• 74	•72	•77	1.17	- 74	4.96	1.36	- 55	1.30	• 75	. 6	4.71
3.2	1.04	-19	. 3 ?	1.18	1.12	1.51	2.67	•60	.79	1.36	• 72	. 4	7,47
(c 3	• 55	• 46	•7^	. 94	• 5 5	1.92	1.11	1.53	1.23	1.23	1.64	.7 *	1.07
<u></u>	1.96	• 3.0	•52	1.98	.97	1.12	2.56	-45	1.17	1.49	.44	• 2 7	2.76
1 1	• 7 9	• 66	1.19	-55	.68	1.11	.70	•64	2.59	1.92	.50	•	7.5
/2	1.43		.47		1.31	1.36	1.98	1. 4	1.37	. 5 4	.79	•11	1. 1
	. 4 3	25	• 5 1	1.01	.42	- 54	2.36	1.05	1.05	• 17	.91	• 3 7	• 35
-5	1.70	. 26	-86		.72	1.62	3.12	1.68	1.11	•10	1.07	.9.	3.17
16		• 71 • 52	- 34	1.02	2.03	• 5.5	1.1A 1.32	1.32	3.38	.92	1.11	1.3	1.
67	1.71	1.15	1.55	.79	.73	1.89	.96	.96		1.02	1.32		2.72
4.6	-53	43	28	94	95	3.15	1.04	3.10	.69	.27	.60 1.73	.91	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
69	3 n	112	1.12	-80	87	1.63	1.44	-57	.53	3.52	. 35	1.57	
75	. 37	2.9	.55	1.13	1.12	1.61	1.20	-58	1,99	3 • 5 e	• 63	-51	1.09
71	.74	•51	- 56	33	47	1.25	1.17	1.31	.75	•32	96	1.55	1.5
72	2.5	31	1.03	1.84	7 9	4.31	99	1.40	1.88	.88	1.28	91	4.31
73	• • • 1	84	71	1.40	1.07	1.30	2.28	-48	1.43	.77	40	- - • • • •	
74	.83	68	.81	99	77	79	73	96	45	1.14	65	3 ?	1.14
MEAN		- * * * 											
S D									 -{				
TOTAL OBS				+					+				
									<u>1</u>				

STATION NAME

EXTREME VALUES

PECCIPITATION

IFROM DAILY OBSERVATIONS

14 55 STATION

TLEWVIEW. IL

45-99

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24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL
YEAR	1 70								1				MONTHS
76	1.74	• 6 1	- 57	1.85	.77	• 85	1.2	2.21	•85	1.10	•72	1.5	7
77	• 31	. 24	1.09	1.57	•97	1.12	1.23	•70 •98	.69	. 9 3	. 46	.25	1.73
7~		17	34	1.47	• 0 3	2.81	.63 3.31	34	1.00	.62	.73	1.27	1.34 3.71
72	- 87	• 37	35	1.92	1.04	1.59	.58		2.98	.67	1.13	1.46	2.72
30	13	42	32	71	47	• 73	.67	1.16	1.25		.37	1.6!	1.26
-1	17	63	.12	1.57		1.43	3.33	3.06	.73	.61 .61	• 3 r	- 32	1 • 2 5
3.	95	18	7 7		.97	75	5.40	3 · 0 6	5.3	1.03	1.37	2.87	E 4 -
		***	• ('/	• 7, 4	• 7 /	• 13	3.40	• 5 3	•===	10.3	1 • 3 /	۲۰۵,	1. 6 4
}	1	1		}	ļ			j	J	j		}	
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} -													
]]]	1		j	j		1	ì	ĺ		l		
MEAN	.37	•52		1.09	.99	1.50	1.61	1.07	1.00	.95	.81		7.51
S.D	.556	.263	-418	.501	. 448		1.182	.652	.607	.787	.342	-515	1.029
TOTAL OBS.	1115	1 ~ 1 7	1085	1113	1147	1080		1147	1080	1197	1090	1147	17334

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

14155 STATION SLENVIEW. IL

45-8?

YEARS

24 HOUR AMOUNTS IN INCHES PRASED ON LESS THAN FULL MONTHS?

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост.	NOV.	DEC.	ALL MONTHS
4 4,						27							स्वर्हरूस शक्ष⊀ऽ
46			1.15 30			.90							CAAZ
47	•21 29	19			-				•11 15		.54 27	.88	P15C1P
F 1					.34 70								DAYS PRECIP
												·	
												-	
								-					
				-									
MEAN													
S. D. TOTAL OBS.													

EXTREME VALUES

SNOWF ALL

(FROM DAILY OBSERVATIONS)

14-55 STATION

SLENVIEW, IL

45-80

VEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
YEAR 4 C				• 0	• 3	• 0	• 0	• 0	•0	• 0	• 5	4.0	
46	. 7	2.8		• • • • • • • • • • • • • • • • • • • •		• "	.0	• •		•5	• •	2.1	
47					• 5			•0					
43	9.3	2.1		1		• 0	. 5	. 3	.0	. 0	.0	2."	İ
49	1.0	7.0	- 5	• :	.7	• 0	• 0	• 0	• 7	.0	3.0	6.0	6.5
50	3.0	6.5	2.0	1.0	. 0	• 0	• C	•0	•0	• 0	1.1	5.5	6.5
< 1	3.1	2.8	6.6	2.7	•0	•0	• 0	.0	• 5	• 0	4.5	12.6	12.6
52	4.9	1.0	3.1	• a	• 0	• 8	• 0	• 0	•0	• 0	•0	1.7	4.9
53	3.7	1.6	2.6	• 1	• 11	•0	•0	• (1	• 0	• 0	1.8	1.9	3 • €
5.4	4 . 1	1.8	8.4	• 0	• 14	•0	• 0	• 0	• • • •	• 3	1.9	4.7	5.4
۲5	2.2	2.4	1.4	• 1	-11	• 0	. 0	•9	• 🖰	•0	1.6	1.7	2.4
56	1.3	4 , 4	. 6	6	• q	• 0	• 0	• 0	• ≎	• 0	2.6	3.0	4.4
57	6.7	2.1	2.7	• 7	• 7	• 0	• 0	•0	• G	4.7	. 4	4.4	€.7
5.8	9.4	1.9	1.9	ე	• 0	• 0	• 9	•0	• 0	• 0	• 8	# · 0	₽.■
59	5.5	• 3	• 2	. 4	-0	•0	• 0	• 0	•0	1.1	7.6	7.9	7.0
50	3.4	9.0	5.2	. d	• 7	0	• 0	•0	• 0	• 3	. 4	3.0	9.€
51	2.4	5.9	5.6	4.4	• 0	•0	• 0	•0	• 0	•0	£ • 9	9.0	9.0
62	14.9	7.1	3.5	• 5	• 7	• 0	• 0	• 0	• 0	• 3	. 7	1.0	14.8
÷3	6.4	2.5	4.7	• 1	• 0	• 0	• 0	•0	• 0	•17	• C	6.1	5.4
4.4	1.2	2.3	9.6	- 5	• ជ	• 0	• ជ	•0	• 0	• 0	2 • 3	9.7	€.7
55	3.4	7.7	7.3	• 0	• 0	• 0	• 0	•0	• 7	• 0	. 4	2.4	7.7
56	6.0	1.7	. 4	• 3		• 7	• 0	•0	• 3	• 0	• 9	6.2	6.2
67	17.4	11.7	5.5	2.0	• 0	0	• 0	• 0	• 0	5.0	• •	• 7	17.5
53	4.0	1.9	- 6	• 0		•0	• 0	• 0	9.	• 0	• 0	6.5	6.8
69	2 • 1	1.0	1.6	• 0	• 7	• 0	• 5	• 0	• 0	• 0	1.0	10.0	10.0
73	4 • 1	2.8	4.4	10.3	• 9	0	• 13	•0	•0		•0	3.7	10.3
7.1	7.1	1.3	5.6	• 5	•3	• 0	• 0	•0	• 0	• 0	• 0	•0	7.1
72	3.7	3 • 1	7.2	4.3	.უ	• 0	• 0	• 0	• 0	• 0	2.5	4.0	7.2
73	• 3	1.4	1 . 8	. 2	• 7	• 0	• 0	•0	•0	• 0	•0	3.7	3.7
74	<u>2.3</u>	3.2	1.6	• 0	1	. 0	• 0	• 0	.0	•0	1.4	3.9	3.8
MEAN													
S.D.	I												
TOTAL OBS.	I												

EXTREME VALUES

SHOWEALL

IFROM DAILY OBSERVATIONS

14:55

SERNVIEW, IL STATION NAME

45-82

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
75	6.3	5.8	1.6	12.3	•0	•0	• n	•0	3.	• 3	1.2	3.7	17.3
75	3.7	1.2	3.3	1.0	• 🖰	• 0	• 0	• 0	• 0	2.1	• 4	2.	3.3
77	1.5	2.7	4.1	• 5	• 0	• 0	• []	•0	• C	• 0	3 • €	7.3	7.3
7 &	9.1	1.7	3 • 2	٠-,	• C	- 0	• 0	•0	• 0	•0	6.2	10.0	10.9
79	22.2	3.7	1.6	• 0	• 0		• 0	• 0	• []	• C	2 . 3	• 7	72.2
30	1.4	4.2	3.2	2.6	3•	• 0	• 0	- 3	•0	• 0	2.5	3.9	4.2
51	1.1	6.3	. 7		اء	.0	• C	0		0.0	4.8	1.4	7.8
1.2	7 • 8	1.8	5.0	4.4	• 0		- • U	• 0	•	• 0		• • •	· • •
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} ——— 													
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1				I									
											l		
		l		Ì		1	1				i		
MEAN	5.09	3.39			•00	• 35	.00	•00	•00	.34	1.64	4,40	8.07
S. O.	4.767	2.475	2.418	2.813	.000	.000	.000	•000	.000		1.678	3.032	4-199
TOTAL OBS.	1114	1917	1754		1147	1080	1147	1147	1000	1147	1090	1147	13515

EXTREME VALUES

SNO IFALL IFROM DAILY OBSERVATIONS

14:55

GLENVIEW, IL

YEARS

24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46			30	• n 2 8		• D							SRCFALL DAYS
47	. 3 29	18				J	• 9	-	16		24 24	2.7	DAYS
46			2 • F	• n 29									SNOFALL DAYS
8.1					ָר. מז								SNOFALL DAYS
								<u> </u>					
					1								
					<u></u>								
	~. ·												
									_				
												··	
MEAN													
S. D.													
TOTAL OBS.													

EXTREME VALUES

SHOW DE PTH

14 = T, E STATION GLESVIEW, IL

YEARS

PAILY SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45									ļ				
46													<u></u>
47	[i					1	}			l The state of the
46								<u> </u>	ļ			<u> </u>	ļ
4.9	1	<u>د</u>		ij		0		0]	.,,	} ?	10	, ,
53	· •	8		1		0	0	3		3	3	1 1 7	10
12	<u> </u>	i	e	n	Ç	3	ם ני	3	9	o o	ő	3	5
53		- 1				- 0	- A	3	- C	0			2
- 4	4	2	8	2	2	່ດ່	0	ก	i c	, a	6	4	,
5	4					- 0	0	3	- 5	+	¥	-	
56	1	4	i	3	3		ő	ã	ő	,	í	3	,
57		4		1		<u> </u>	0	Ö	0			4	
58 ∦		اءِ	1	2	7	C.	o	מ	0	C	1	0	1
5.9	11	7		7		0	0	a	a	C	3	- 5	11
40	3	16	13	1	ď	וס	0	31	מ	σ	0	4	16
51	2	5	6	5		0	0	0	C	0	6	9	9
62	1 2	A	4		າ	0	0	0	o,	C	9	1	1 0
43	1 1	3	4	C	Ú	ū	0	0	C	0	0	£	11
54	1	4	7	7		0	O	0		0	1	14	1 4
<i>+</i> 5	ų	11	1.5	?	C	อ	D.	C	0	3	ū	4	15
- 56	17	10	1			0	0	0		3	1	5	1.3
67	26	32	1 1	2	3	מ	D	0	C,		C	2	3.
5A 69			<u>2</u>		<u> </u>	0	3	0	0	0	C	11	!1
70	11	-1		7	CI CI	ם ט	0	3	0	0	1	1,4	13
71	- 6	<u>1</u>	- 6	- 7		- 0	0	,,				<u> </u>	
72	9	5	7	, S	,	מ	C	0 0	0	Ö	Ţ! 3	9 3	7
73				 7		<u>ŏ</u>	Č	5	5	- 6	3	11	-
74	7	8	il	ને	อี	o o	ดี	Ö	S	0	1	3	
MEAN											i		
S.D.													
TOTAL OBS.													

EXTREME VALUES

SNC # DEPTH

14555 STATION GLENVIEW, IL STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN,	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
75	7	5	1	12	7	3	0	5		ū	- 5	- 4	17
76	- 6	6	4	q		<u>ე</u>	0	n		2	ũ	3	ŧ.
77	i i	4	4	0.0	7	0	2	3	0	7	5	17	2י
79 79	17	22	13			0	- 0			2	- 0		46
30	7 1	77	-	d	ď	o	Ö	Š	5	ີ່	2		7
21	1	A	1	n		- 5	0	2	0	0	1	I	
4.2	9	3	17	7	ŋ		n	a		ĵ	0	2	10
		-											
	1				ł	ł	ì	1					
					1	i	ļ	}					
													
	j			}	1	ł	ł	}				· .	
													L
		ļ			ł			}		١ :			
													
		Ì	į		ì	ł		}					
													
	<u> </u>												
					ł	Ì	į	}			-		
MEAN	7.8	7.9	4.4	1.3	.0		.0	. 6	• 0	•2	1.6	5.7	12.2
S.D.	6.904	7.697			-000	. 000	• 000	-000	• CCC				8.547
TOTAL OBS.	1023	960			1023	1020	1054	1054	1020				12356

STATION NAME

EXTREME VALUES

SNU - PEPTH

14255 STATION

SEERVIEW. IL

40-32

VEADS

DAILY SNOW DEPTH IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
45				S	٥	0		r.	С	ņ	5	Ĺ.	DAYS
ls 63													SNC CPTH
47	<u> </u>	. 5	6	0	0	0	<u> </u>						SAR POTA
''	3	5			o	3	ت	3	c		0	ວ	DAYS
46	ن	С	3	G	9	a	e	a	C	1	ū	-	SNO TPTH
56			.,			- "-		•		37	3		SNO SPTH
5.5	11									_			SNC SPTH
- 1					7.D		<u>-</u>					·	SNO CRTH
							_						
			1										
			_	7									
MEAN													1
S. D.													I
TOTAL OBS.													

DAILY EXTREME AMOUNTS

14155 STATION

TLEN ISM, IL

STATION NAME

1 45-1932

YEAR\$

JANUAR

MONTH

FEC UA1
MONTH

	,							
DAY		ECIPITATIO GREATEST	ON	SNOWFALL GREATEST				
DAT	INCHES	MM	DATE	INCHES	ММ	DATE		
1	1.01	73	1044	9.	227	1043		
2	7.1	16	10:1	5.3	16^	1975		
3	7.94	19	1071	7.1	19"	1771		
4		74	1002	7.8	199	1982		
5	7	70	1055	2.1	53	1:69		
6	1.	38	1962	14.9	376	1962		
7		11	19/2	4 . 5	114	1365		
8	• ? •	6	1974	: • 2	56	1774		
9	1.27	71	1757	6.7	170	1957		
10	1.74	44	1975	2.3	5 3	1074		
11	•2		1053	2.5	71	1963		
12		5.	176"	5.0	152	1766		
13	• 2 2	56	1079	22.2	564	1979		
14	• " 2	13	1968	4 - 1	1 4	107		
15	• 2	7	1065	3.4	16	1065		
16	•2	6	1260	7.	51	1-71		
17	• 3 "	7	1963	2.9	74	197		
18	1.1	26	1749	3.4	46	176		
19	1.77	.77	1952	6.4	153	1 06 3		
20	- 2 3	21	1774	5.5	14	1050		
21	1.74	26	1058	5.4	213	1052		
22	. •	43	1065	2.6	66	1957		
23	• " (1	10	1053	2.4	61	1951		
24		23	1270	8.6	218	1979		
25	• 1	15	105.	6.1	152	1 766		
26	1.0	43	1367	17.4	442	1067		
27	• 4	19	1967	9.	203	1767		
28	-31		1962	3.7	76	1965		
29	• • •	17	1967	4.1	105	1067		
30	-17	3	1004	2.9	74	195		
31	- 33	3	1041	6.	152	1982		
Monthly	.22	76	1379	72.2	564	1570		

			MOI	NTH		
DAY		ECIPITATI GREATEST		SNOWFALL GREATEST		
UAT	INCHES	MM	DATE	INCHES	ММ	DATE
1	2.71	18	1967	6.9	175	1967
2	7.72	6	1972=	2.2	56	1772
3	7.66	17	1961	5.9	150	1961
4	7.75	10	1971	2.7	59	1977
5	1.16	29	1767	11.7	297	1967
6	3.31	?	1974	3.1	79	1974
7	0.14		1973	1.4	36	1973
8	0.22	7	197~	2.8	71	1977
9	2.0	20	1367	8.0	2∩3	1767
10	0.63	17	1967	3.6	173	1967
11	0.31		1956	5.0	127	1981
12	7.38	10	1949	3.7	94	1979
13	1.02	26	1950	6.5	165	1957
14	0.4	21	1973	2.5	54	1957
15	0.41	15	1954	5.8	147	1975
16	0.2	13	1956	4.4	112	1956
17	0.(1	15	1975	0.2	5	1759
18	0.64	16	1951	2.8	71	1962
19	0.51	13	1971	1.7	43	1766
20	0.65	17	1953	0.9	23	1063
21	3.41	21	1076	7.1	190	1362
22	D.66	17	1974	5.2	132	1:57
23	0.70	1 =	1967	6.4	163	1967
24	0.71	13	1965	7.7	196	1965
25	0.74	19	1957	4.2	107	1987
26	0.30	٤	1957	0.2	5	1946
27	0.71	23	1948	2.5	64	1963
28	0. 2	11	1951	1.0	4.8	1958
29	0.20	5	1276	1.2	30	1976
30	 					
31	1					
Monthly	1.15	29	1967	11.7	297	1967

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

STATION

TLENVIEW. IL

1-41-1982

YEARS

441 C

APTIL

544		ECIPITATIO GREATEST	ON	SNOWFALL GREATEST		
DAY	INCHES	CHES MM DA		INCHES	мм	DATE
1	7.	16	1976	3.3	€ 4	1976
2	.22	31	1.76	6.0	152	1954
3	7.5	17	1206	3.1	7 °	1952
4		41	1776	5.9	150	1982
5	•1	3	1046	1.9	49	195
6	•5]	14	1975	1.	25	1 75
7	• 3	Ģ	1975	1.3	33	1.8
8	• * *	22	1964	5.6	142	1751
9	• 72	6	1277	2.	51	1767
10	• ;	16	1752	1.6	41	1:75
11	•5	14	1957	4.	102	1:63
12	1.13	20	1757	3.5	87	1951
13	1	37	1961	7.	178	1973
14	• 1	16	1753	1	25	1-65
15	• 1	1 3	1748	~ · e	20	1:71
16	• " : '	13	1960	5.2	132	106
17	70	1 7	1965	7.3	185	1965
18	- 7	22	1952	5.6	142	1971
19	1.31	47	1948	3.2	81	1971
20	1.4	37	1967	5.5	140	1967
21	. 0	15	1766	4.1	104	1977
22	•4	12	1065	5.1	130	1 65
23		11	1965	5.3	135	1 65
24	-1/	3 1	1254	0.3	3	197'
25	1.75	44	1954	4.4	112	1~7
26		13	1959	2.7	69	1957
27	<u>• 2</u>	21	1276	0.5	13	1970
28	1.07	28	1977	0.8	20	107
29		22	1979	8.5	218	1964
30	- 85	29	1949	1.6	41	1774
31	1.5	39	1967	2.9	7.6	1772
Monthly	1. 1	47	1948	8.6	718	1764

				NIH		
DAY		ECIPITATIO GREATEST		SNOWFALL GREATEST		
DAT	INCHES	мм	DATE	INCHES	MM	DATE
1	1.13	2 7	197	15.3	22	:977
2	1.36	35	1975	12.3	312	1 = 75
3	2.48	25	1974	2.2	56	1:72
4	0.80	23	1769	7	7	1782
5	1.47	37	1964	4.4	112	1982
6	3. 6	22	1978	Ţ	7	1782
. 7	0.43	11	1972	4.3	109	1972
8	0.71	18	1980	0.5	13	1962
9	0.62	16	1973	2.3	51	1361
10	0.74	19	1978	0.3	Ę	1962
11	1.22	46	1979	0.5	17	1757
12	1.25	32	1952	T	T	1973
13	0.75	19	1945	0.5	13	1962
14	0.7	22	1949	- 6	56	1987
15	0.75	10	1976	2.5	64	1751
16	1.00	50	1960	4.4	112	1961
17	7.94	29	1963	+	†	1261
18	1.36	47	1975	7	7	1:45
19	7.78	20	1970	7	+	1562
20	1.71	33	1966	-	1	1979
21	1.45	38	1977			
22	1.59	4	1961	. 2	5	1156
23	1.40	36	1979	2.	51	1 67
24	1.1	33	1950	+	•	1080
25	2.35	60	1954	1.0	25	1976
26	0.12	21	1979			
27	1.1	43	1975	7	1	1 279
28	1.17	30	1981	7	Ť	1:77
29	C 6	29	1963	 		<u> </u>
30	0.20	20	1970	2.1	3	1763
31				 		
Monthly	2.35	40	1954	12.3	312	1775
	<u> </u>					

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

3

DAILY EXTREME AMOUNTS

14.755

TEEN IFW, IL

STATION NAME

			46.6				
			MOI	НΤИ			
		ECIPITATIO GREATEST		SNOWFALL GREATEST			
DAY	INCHES	MM	DATE	INCHES	MM	DATE	
1	7.1	16	1953				
2	1.07	2.3	1949	7	7	1971	
3	1.12	5.5	1958	1	Ť	1 773	
4	• 7 7	20	1777	1	Ť	1167	
5	0.00	23	1076				
6	1.11	20	1948				
7	q	20	1045		Ţ	1.5	
8	`• 7	22	1060		Ť	1.56	
9	1	15	1756				
10	• 1 3	54	1951	<u>[]</u>		1	
11	•02	51	1086	•	†	1.066	
12	1.1	3.3	1762	1			
13		25	1778		-	L	
14	• 1	5.5	1945	ll			
15	^ • * ·	13	1976			<u> </u>	
16	• * 7	25	1360			<u> </u>	
17	•	24	1947	Ll			
18	• 5 2	26	1065			 	
19	: • 10	2 3	1957	li		<u> </u>	
20	• 1	! 6	1960			<u> </u>	
21		15	1365	,	Ť	1069	
22	. 2 1	32	1953				
23_	 •	24	1970			<u> </u>	
24	- 5	43	1055			 	
25	7.6	17	1041	<u> </u>		<u> </u>	
26	- 6	13	1968	,	T	1.61	
27_	1.1	29	1945			<u> </u>	
28	* • 5	2.2	1375	<u> </u>		<u> </u>	
29	1.12	2.3	1970				
30_	• 7	20	1775	<u> </u>		ļ	
31	7.076	19	1958				
Monthly	1.1	7.5	1042	, ,	7	1 72	

			MO	NTH			
DAY		ECIPITATIO GREATEST		SNOWFALL GREATEST			
DAY	INCHES	мм	DATE	INCHES	MM	DATE	
1	1.77	3.5	1977				
2	7 . 3	5.3	1957				
3	1.47	3 a	1954				
4	^• · · 3	19	1969				
5	1.1	2 4	1977				
6	6	13	1074				
7	2 • 1	71	1978				
8	1.37	35	1260				
9	1.89	3.0	1966		Ť	1 .6	
10	7.13	5 .	1967	[
11	1.34	34	1977				
12	1.1	4 1	107				
13	1. 4	39	1955				
14	4.31	1 9	1972				
15	7.75	19	1982				
16	2.1	64	1952				
17	7.0	2 3	1046				
18	1.24	32	1271				
19	70.44	11	193				
20	3.59	15	1079				
21	1.	33	1951				
22	1 . 2	4.1	1764				
23	1,	27	1948				
24	7.73	19	1369				
25	1.2	41	1224				
26	1.72	34	1779				
27	7.54	14	1963				
28	1.12	2 1:	196				
29	1.3	41	1969				
30	1.13	5:	1977				
31							
Monthly	4,31	109	1972	1	*	1.46	

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

1.050

STATION NAME

STATION

1745-1992

YEARS

Jety

			MO	VTH		
DAY		ECIPITATIO GREATEST			IOWFALL REATEST	
DAY	INCHES	MM DATE		INCHES	MM	DATE
1	1	27	1973			
2	1.€	6.5	1959			
3_	• 7.2	76	1754			
4	• 4	16	1998	1		
5	•	7 2	1971			
6	1 • 1	44	1054			
7	• C \$	د ح	1.64			1
8	• 2	67	100			
9	•	24	1767			
10	. 4	4 %	1393			
11	• 70	25	1763			
12	•	126	1757			
13	1.5	4 ^	1953			
14	-,1	56	1249			
15	•	1 3	1262			
16	1.	42	1350			
17	1 . 4	17	1340			ļ
18	.12	7.	1914			
19	7.3	60	1763			
20	-31		1973			· · · · · ·
21	• 7,3	19	1947	1		
22	• 40	177	1747			
23	: 1	29	1052			
24	-6-	24	1945			
25	1.47	7 9	1964			
26	1. 2	34	1766			
27	1.2	73	1365			
28	• 0	?3	17:1			
29	1.27	32	10/4			1
30	- 5	17	1953			<u> </u>
31	2. 3	16	1350			
Monthly	47	197	1983	h		

А.	<u> 321</u>	
	MONTH	_
 		_

DAY		ECIPITATI GREATEST		SNOWFALL GREATEST			
1	INCHES	MM	DATE	INCHES	MM	DATE	
1_1_	C . 2	21	1777				
2	1.	27	10 3				
3	1.3	39	10:0				
4	8	25	1277				
5	• ? :	1.7	1979				
6	1.6	45	1911				
7	. 4 -	12	1047				
8	1. ?	26	1769				
9	1.22	31	1757				
10	1. /	27	1971				
11	1.1	29	1956				
12	1.5	4 -	1256				
13	_~ • · 2	13	178				
14	3 • 1	7.5	1951				
15	4	24	1973				
16		7 3	1968				
17	1.2	34	1965				
18	7.75	24	1967				
19	7.71	1 4	1987				
20	7.13	15	1958				
21	7.21	56	1275				
22	C 6	22	1979				
23	1.	36	1977				
24	1.1	33	1271				
25	1.3	34	1054				
26	0.40	10	1977				
27	0.06	24	1974				
28	2.73	19	1957				
29	0.2	16	1979				
30	1. 5	47	1975				
31	1.1	29	1945				
Monthly	7.1	7-	1968				

DIRNAVOCEANMET-SMOS

^{*} ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

TOPET

1 150 STATION TO IFW. IL STATION NAME

YEARS

MONTH

	WONTH								
		PRECIPITATION GREATEST			NOWFALL REATEST				
DAY	INCHES	MM	DATE	INCHES	MM	DATE			
1		?4	1277						
2	7.4	6.3	1961						
3	• • 1	10	1072						
4	• • •	14	1965						
5	1.1+	7.7	1941						
6	3	51	1 7 7						
7	1.	?6	139.						
8	•	77	1940						
9	•	77	127-						
10	• 3	25	1"62						
11	• -	11:	1252						
12	•	27	1761						
13	• "	76	1978		· · · · · ·				
14	• 5.4	74	107						
15	- 5	17	1977						
16	• 2	3.2	1,33						
17	•17	55	1078						
18	• 5	- 1	1253						
19	1.12	2 %	138.						
20	1.	3.5	1255						
21	1.14	2	105						
22	1.11	2 %	1955			9			
23	1.3	34	1061						
24	1.1	37	1044						
25	.:	5.3	1061						
26	. • 5	32	17 1						
27	•		1 4 7						
28	1.7	7.4	1275						
29	• ? 1	31	1 573						
30	• 7	75	1 . 77						
31					_				
Monthly	• 1	76	1973		1	1 8			

				NTH		
		CIPITATIO GREATEST	ON	S	NOWFALL GREATEST	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
1	2.67	17	1979			
2	0.40	12	1970			
3	1. 2	44	1254			
4	7.75	19	1959			
5	.30	5	1955			
6	1.29	30	1259			
7	0.67	17	1367			
8	0.50	15	1357			
9	1.1	3 8	1964			
10	3.51	90	1954			
11	Ე. 8	22	1077			
12	0.79	20	1973			
13	1.49	3.5	196"			
14	1.02	26	1966			
15	೧8	22	1967			
16	0.30		105	•		: 70
17	G. 1	15	1361			
18	0.40	10	1051	•		: 1
19	1. 2	47	1961	•	+	1 74
20	0.	14	1067	7	7	1 : 74
21	` 2	23	17 6	-	-	1 74
22	1.34	35	1958	-	•	: 7,9
23	1.	33	1957		1	. 36.1
24	1.1.	2	1075	•	7	1:50
25	-31		1970	•	·	1 : 3 1
26	4	11	1059	4.	1 2	1 -5 7
27	3.47	12	1077	5.	127	1067
28	0.53	15	1055	7		1000
29	0	21	1961	0.3	-	1954
30	0.0	20	1767	+	•	1 . 5
31	7.69	19	1973	•	•	1 72
Monthly	3.5	90		5 • C	127	1967

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

1 155 STATION

LIVIIW, IL

STATION NAME

YEARS

MONTH

547		ECIPITATIO GREATEST			NOWFALL REATEST	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
1	1.	7.5	1042	7.	20	1:54
2	•	1 :	1014	1.4	41	1.55
3	• '	: 3	1043	1.7	43	1151
4		4.2	1020	1.1	2	1950
5	•	1 ^	1274		7	8.7
6		16	1 ` 1	4 . 5	114	1751
7	• 7 3		1049	0.7	5	1 55
8	•	1 3	1366	•	T	1 71
9	. 2	? 2	1255		1	10Em
10		• 7	1974	• 4	1 -	175"
11		.74	155	,	7	1.76
12	• 7	1.5	1549	7 • 3	4.5	1957
13	.2	3.3	1077	1.4	36	1759
14	. 1	?	1757	• 7	15	1969
15		2.5	1764	. 3		1063
16	. 7	. j	10:2	1.	25	1 51
17	• 4	1 3	1970	• 3	:	1 18
18	. 7	2.	1757	1.3	33	1:55
19	• •	1 7	1951	5.5	15.	1561
20	•	15	1756	4.5	122	1 5 1
21	•	^ 1	1070	. 4	1 ~	1-75
22	. 1	23	1763	2.5	£ 4	1970
23	• 5	14	1935	3.7	9.7	1981
24	• 4.	1 :	1965	3	76	1949
25	•	24	1052	2.5	56	1956
26	: • 1 1	2 -	1065	3.2	1	1975
27	?	34	1966	5 • 2	157	1978
28	! • " 3	44	1.568	1 • 8	46	1"47
29	• 1	24	1971	1.5	46	1 >53
30	• 2	6	1781	1.4	36	1274
,						

D: CE "EF-

DAY		ECIPITATIO GREATEST			NOWFALL GREATEST	
"	INCHES	MM	DATE	INCHES	MM	DATE
1	1.	2 -	1970	1 .	7.7	: 7 `
2	- 3	7 2	1937	3.	, 9	1 14 4
3	□•73	1 ^	1955	`•	5.1	: "4
4	5.	2	1777	٦.7	721	1 :4
5	₽ £	12	1942	. 2	5.6	: -7F
6	7.71	1 7	1057	3,	`6	105
7	0.74	1.5	1969	4.5	174	. 7
8	C • 4 1	19	1077	4.0	124	1 57
9	7. 7	22	1953	",	1^2	1 ,,
10	1. 5	Ç	1971	2 • 2	56	1 4
11	1.74	31	1940	٠.1	1.74	1 63
12	1.12	2	1946	3,9	ં 9	7.7.7
13	1.37	0	1225	4.	1 ~ 2	1045
14	1. 2	41	1 75	12.5	321	1 51
15	1.12	2	1971	7.1	5.3	1 44
16	0.71	5	1 61	1.4	76	1982
1,7	0.13		1951	2.c	7.4	19:1
18	0.0	17	1957	2.5	۲. 4	1943
19	0.4	12	1952	3•↑	76	1277
20	1.27	31	1 77	7.7	1 - 5	1 - 77
21	1.10	2	1043	•	76	1951
22	0.61	1 °	1953	1.5	4 ~	1 77 7
23	1.00	25	1 67	10.0	254	1 69
24	11	41	1979	3.0		1.751
25	_ C. C	13	1550	5.0	127	1950
26	0.34	9	1940	2.5	- 6	1355
27	0.40	2.0	1254	1.0	25	1 7 5 7
28	າ•າວ	23	1365	9.8	173	1063
29	5.5	15	1978	4.7	110	1954
30	0.14	14	1972	4.5	114	1 36 Q
31	1.4	37	1978	10.0	2 ' 7	1979
Monthly	ಾ. 3	7.2	1982	12.6	32	1/51

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

30 31

NOCO, Federal Building Asheville, N. C.

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual all hours combined
 - (2) By month all hours combined
 - (3) By month by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINTS FROM DAILY OBSERVATIONS

STATION NAME

LATEY PEAK GUSTS IN KNOTS

MONTH	JAN		FE	B .	МА	R.	API	₹.	MA	١Y	JU	N.	ж	JL.	AU	G.	SEI	,	ос	T.	NO	v.	٥	EC.	ALL MONT	
45							45₩	57	MNE	49	ж.	52	NAF	57					- 5 2	4 F	ইছম	7.1	5.5	4.		_
46	554	5 9	W 5 W	5.2	SSH	51	iw .	47	S S &	43		_	İ.		1				55 %	4.3)		4 S W	40		
× 7	FME	51									55%	4.7	41.0	40	NNE	41										
4.5	NF.	8.7	NN b	51	SSW	46	in 'V be	48	HME	37	WNW		MYW	3.5	n N ai	4 %	1N ₩	5 1	.	4.3						
ų Ģ		4 1	SSW	37	S ×	4.5	h	5.2	5.	5 7	55	44	5.3	3 £	Na	£ 5	HNE	47		25	ह्य	4-	123	41	7.4	
- 3	4.5	54	E YE	41	S	4 2	N. W	6.2	S 5 d	5 3	WSW	40	5.	32		29	SSI	34	HP34	37	181	42	5 S 🔅	4.7	** ~	
-1					WSW	44	EME	46	ENE	4 4			112	5.2			1				5	यु प्र	22.0	2.3		
F 2	N CH	44	N	44	N	47	NNE	39	S S .	37	ŊΕ	49	H	60	55 W	49	HNH	40	NNE	48	5 -≉	64	עצ	3.1	5 🐇	5.4
- 3	554	47	WSW	5.2	5 S .	60	4 S W	5.8	พรพ	63	KNW	57	H S L	37	NAL	33	5 S E	54	WHE	33	55E	32	प्र	44	42%	
: 44	is No.	40	NNE	3.9	No. of	6.0	S 74	44	SW	46	ESE	72	N¥	5 8	554	38	l		45W	37	MNW.	34	ENE	47	i	
: 5	W. W	39	55#	32	Ē	5.7	N -	6.3	55.	47	¥ .	35	554	4.2	N.W	3.8	la	37	\	35	मटम	47	महम	3.5	ਸਾਜ਼	- -
5.6	NNW	3 7	4114	41	WSW	50	N	5.5	NNA	4.2	¥	36	NV	36	N×	45	N.	33	e Pi in	37	454	4.6	5 ×	47		5.4
5.7	554	4.7	NNE	47	WEV	49	MNM	45	5 ×	37	5	39	NN	43	INE	34		35	.	46	-	4 5	N.X.	ुरक	223	यर
5.8	}		NNN	29	NNE	3 1	N	47	NNE	36	N	34	SF	29	שאע	22	Ì		LS W	37	b₩	42	N N	7.7		
- 5	ंड	34	HNH	7.3	S .	46	S.	36	N N W	3 9	55	33	24 11	45					55E	30	5 W	4.2	51	3 ~		
< 7	•	ŝþ	NE	45	NN.	57	Sx	45	s	39	NNE	35	425	3 9	HVW	58	SW	31	55¥	37	55.	45	5.	j. 🕶 :	A 14 W	÷ ,•
• 1	N.	3 3	wsw	4.7	S »	5 6	5 - 5	44	NNE	30	NW	3.8	N K	30	W.	77	. 5 .	40	NNE	40	5	45	-	41	- KM-	
-, 2	ی ی	35	WNW	41	SS	44	W < W	42	5	45	SW	36	HNW	29	W	31	W S W	37	154	35	45 K	43	ļ.	3€	•	4.5
5.3	7	34	Na	35	S .	47		54	W54	35	k	36	k .	38	NN	48	NE	41	NYT	27	55:	4.5	<u> </u>	43	-	- 4
~4	\ \ * = -	4 3	SV	3.8	NNE	5.0	5	47	SW	5.2	A.W	41	ų.	49		42	5	42	t.	37	554	46	5	34	5 #	: :
55	1.5	34	N	30	W	4 ^	×	41	W 5 W	43	WNW	34	NNW	33	NW	34	V	30	S ¥	31	V-	46	H	45		4.8
- 56		37	S	40	¥	44	1	42	¥	4 3	HW H	69	N at	42	N	30	N	36		40	N	38	t	30	20,54	69
6.7	5	4.5	5	42	N	33	5	61	5	43	SW	30	5	26		31	14	33	5	39	5	33		77	3	~]
6.0	٠.	31	b .	35	SS.	36	Su	43	S	37	ł			35	HNH	42	k .	29	NSW.	36	NF	47		4 ?		
6.3	ĵ,	36		23		39		3.5		33	SW	47	NF	33	SW		SW	26	5.	39	5	34	1	3.	S'h	4.7
7.0	<	3 3	Sw		NE	44	NNE	44	.	38	W	49	н	32		30	ļ.	28	s	40	į.	40		4.3	*	49
71	5.51	4 3	2:	67	27	4 3	27	37	27	34	27	46	36	31	36	42	20	30	71	41	<u> </u>	37	13	48	- 22	5, 7
72	25	46		33	29	37	06	35	18	29	20	35	31	31	36	37		34	50	32	b7	39	20	3~	25	4 :-
73	23	3 3			21		19		211		22		36	45		28	28	3:7			 		02	3.6		
74			35	45	2 7	41	2^	3 9	25	_	24	36	17	31	35	29	21	25	21	33	bu	30		3 8		
MEAN																-										
S D.					 -						-		Ι								 				 	
TOTAL OBS.					 -		 -	_					\vdash		 		-		-		├		⊢			

EXTREME VALUES

SUPFACE WINDS

14 455

SLEWVIEW. IL

45-87

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN.		FEE	В.	MA	R.	AP	R.	MA	Υ	٠,	IUN.		JUL.	4	JUG.	s	EP.	00	 Ст.	N	ov.	-	DEC.	AL MON	
75	21	5 -	26	41	פֿס	37	21	40	20	54	26	35	34	27	20	26	02	31		-	 		21	37		
76			32	3.8	2.5	44	04	44	25	40		36	3?	42	5 5	26	23	31	20	31	20	30.	21	33		
77		3 Q	2 A	44	2?	5.0	25	43	2?	3 1	19	35	27	35	2 è	42	27	34	24	33	277	34	32	35	2.2	7.5
7 6	32 4	4 2	34	29	2:2	30	30	36	27	33	23	42	3 ~	50	21	5 2	1	34	24	3.3	22	37.	22	36	21	5 🐔
75	37	31	71	36	2 9	35	27	55	36	4.7	19	35	22	25	.1	39	26	25	29	39	23	31	11	47	27	- 53
15	27 4	4 7	32	34	30	36	62	39	19	34	22	35	23	57	25	4.8	23	35	21	36	27	33	3 3	35	23	5.7
- 1	2.6	3 5	25	35	01	41	27	49	01	41	20	39	36	35	75	34	25	37	17	72	21	40.	20	34	17	-77
- 2	26 1	4 4	2?	32	2 5	46	2€	5.3	24	36	30	34	33	35	09	38	50	24	2.3	30	19	42	9	44	26	5.3
MEAN	42			7.4		4 . 4		5 . 8		1 • 2		17. V		37.6		5 P . 7		54.7		5.5		1.1	L	F . 5		5.0
S. D.	9.9		7.1			21.7		791		349		669		732		423		146	-	931	7.	203		144		162
TOTAL OBS.	10	1 7	7	82	[1]	105	1	139	17	141		744	L	1139	L 7	743	l _	950	I	147		485	1	113	1.5	640

EXTREME VALUES

SHREACE WIRTS (FROM DAILY OBSERVATIONS)

STATION NAME

DATLY FEAK GUSTS IN KNOTS /BASED ON LESS THAN 92% CRSERVATIONS FOR MONTH/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
45								-7	f:				TAYS
46,						NT 35	552 31 19					-	DAA2 MIMAA
47		₩∿₩ 32 14			HSH 47				Sh 26		<u> </u>		HINTS DAYS
4 A											3	55% 58 14	DAYS DAYS
51	SS# 3ª 20	W 48				ENE 43		₩₩₩ 30 25	55× 42	⊮∛₩ 45 26			WINDS DAYS
7.4				<u> </u>			 		NNW 39				DAYS
5.8	71 NW 31 26								55% 30				DAAR
r g			-					\$ 5 E 31	SW 50				BYNDS DAYS
5 o						¥ 37 26							5442 5442
73										25 9 2	13 1 ह 1		DAYS
74	32 29 20												DEA2 DEA2
75										22 39 26	26 4 4 24		MINGS.
76	25 3 2												DAYS
													
MEAN													
S, D.													
TOTAL OBS.		<u> </u>			L			L					

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14:55	CLEMIEN. IL	73-85		
STATION	SYATION NAME		YEARS	HONTH
		ALL WEATHER		<u>70</u>
	· 	ÇLABO		HOURS (L S T
		COMPITION		

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 23	34 - 40	41 - 47	40 - 55	≥#	*	MEAN WIND SPEED
N		1.0	1.7		3							2.0	9.1
NME		7		. 7								1.5	9.1
ME				-4								1.3	12.
DVE			• (3)	. 3								1.3	7.
1		1.6	. 5									2.9	5.
282		- 4		2.5								1.9	9.
\$4				. 1	-							1.0	10.
204			1.									1.5	7.
8	1.5	1.7	2.3	1								6.5	
SEW		les	1.7	2.6								6.1	9
5W	1.3	2.5	1.6	.6	3							5.5	6.0
WW	1.07	3.0		6								10.3	5.0
	2.5	ع م ک	9.0	3.3	6	3						18.1	9.
WHW	لامذ	2 . 3	5.0	2.9		[L —				13.9	7.
NW	1.3	2. 4	3.4	1.3	- 6	3						9.7	5.
NNW	1.5	1.3	2.3	3								6.1	6.
VARBL													
CALM	> <	$>\!\!<$	$>\!\!<$	> <	> <	$>\!\!<$	><	$\supset <$	> <	$\supset \subset$	$>\!\!<$	9. `	
	12.1	_27.4	32.2	15.8	1.9	. 6.						100.0	7.0

TOTAL	HUMBER	Of	OSSERVATIONS		510

SMOS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION STATION	STENNIE II STATION HARK	73-32 VEAL	d	
		ALL WEATHER		HOURS (L.S.T.)
		C0119171001		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.0	1.6	1.3								3.8	i
NNE		3		3								1.0	5.1
NE	4										Ī	1.3	11.3
ENE		. 1	1.0	. 1								1.6	8.4
			. 3									- 5	b_(
ESE			1.3									2.5	B 4
SE		- 4										-6	5.0
35E												1.6	نەف
\$	-	1.3	1.4	1.6								4.5	
SSW	1 . 7	2.4	2.3	1.0								8.7	9 . 3
SW	1 4	2.1	1.6	1.0			-					6.1	6.3
WSW	1.5	3. 0	1.0									8.7	6.4
w		7.5	5.8	2.6	1.3							16.5	8.1
WWW	100	7.9	3.5	2.9								12.3	3.6
NW	- 4	7. 1	7.3							<u> </u>	· · · · · ·	6.7	S
NNW	- 4	1.4	7.5	1.1				 -				7.1	8
VARM							<u> </u>			 	 -	1	
CALM	$\supset \subset$	><	$>\!\!<$	>	> <	> <	> <	$\supset <$	\sim	\supset	>>	13.7	
		261	30.6	17.1	2.6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7.1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3 5 TION	51.5	VIEW.	T1_				73-8	2		TARS			<u></u>	JAN.
TION			TIATIO	I MARK						LAM				
		-				ALL #	EATHER						HOVES	06 (LET.)
		-				cen	BITION							
ſ	SPEED (KNTS) Dir.	1 - 3	4-4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	%	MEAN WIND SPEED
	N			2.0	1.6								4 a 2	9.7
Γ	NNE		3	3									. 6.	5.5
Γ	NE		- 4	. 7	1.9								1.9	10.0
Ī	ENE		1.0		. 3								1.3	8.3
Ī	E :			- 6				 					1.0	6.0
ľ	ESE		. 6	. 6									3.3	7.3
	86			- 5									. 6	9.5
- [352				. 3								1.5	7.6
Г	3		1.3	2.9									5.1	7.0
Γ	SSW	1.6	1.9	3.2	1.9	3	3						9.3	2.6
Γ	SW	, é	2.3	1.3	1.9								6.1	8.5
	WSW	105	2.3	1.3	1.6								7.4	7.6
[w	_1.3	5.1	5.5	2.9	6							15.9	7.9
	WNW	1.9	2.9	3.9	2.9	5							12.2	
	NW		3.5	3.2	1.6		3						9.6	8.6
Γ	NHW	1.2	3.5	1.6	1.6								7.7	7.2
Г	VARBL													
	CALM	><	$>\!\!<$	\times	><	$>\!\!<$	$>\!\!<$	> <	$\supset \subset$	> <	$\geq \leq$	><	13.8	
ſ		3.1	26.7	29.3	18.3	1.9	. 5						198.9	7.0

TOTAL NUMBER OF OBSERVATIONS

SMOs

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 5 E E	SLEWIEY, IL	<u> 11-22</u>	
STATION.	STATION MAISE	A87	ARS APPRIL
		ALL MEATHER	nount (LST)
			100-100
		COMPLYION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
М					6							2.3	10.3
NNE	- 3			*								1.0	7.7
NE	3			6					L	<u> </u>	<u> </u>	1.6	9.0
ENE	- 3			6								_1.9	8.5
E		. 3										1.3	11.6
323		. 6	1.0									2.3	6.3
SE	7							I				1.3	7.5
32E		1.6			3							2.5	7.5
\$		1.0	3.2	1.0		L	I					6.1	9 . 7
\$\$W	1.3	1.5	1.0	2.9							I	7.4	3.5
\$W		1.0	3.2	1.6								6.1	10.1
WSW	1.5		2.3	1.6	3							5.4	8.3
W	- 1	6.9	8.4	9.2	1.9				[22.5	8.9
WHW		1.6	3.5	3.2	3							9.3	9.1
NW	1.3	2.6	4.2	2.3	3				I			13.6	8.1
NNW	1.6	3.2	1.9	2.3								9.0	
VARSL													
CALM	>>	$>\!\!<$	\searrow	>>	$>\!\!<$	$\geq \leq$	> <	$\geq <$	$\geq \leq$	><		7.7	
	-10-á	21.9	33.4	22.2	. 6.2							120.2	نه و

TOTAL NUMBER OF OBSERVATIONS

SMO5

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14:35 STATION AND STATION NAME 73-32 YEARS STATION NAME STATION NAME 12 NAME OF THE STATION NAME OF THE ST

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	46 - 55	≥54	*	MEAN WIND SPEED
N		10.7	1.6	1.6								4	10.7
NNE	,		3	1.0								1.5	ž . E
NE			1.3									2.5	لمق
BNE	3	2	. 3	3								1.5	<u>E a f</u>
1		1	3	6								101	10.3
196	. 1	. 6	.3	1.3								2.3	8.5
88	- 3	. 3	. 3	. 3								1.3	7.5
\$50	1.5	. 3	1.3	1.3								3.5	£ al
•		1. 1	3.5	1.7								7.4	9.2
35W	. 1	- 6	2.6	1.6								Sec	9.3
sw		2.6	.2.3	2.9	. 3							8.1	9.4
WSW	. 1	1.9	4.5	2.6								10.00	- 9 . 1
w	1.4	2.6		5.8	1.9	. 3		Ι				33.0	10.7
WNW		2.5	6.8	1.9	. 1							12.3	6.1
NW		1 - 5	3.9	1.3								8.1	2 . 5
NNW	. 7	2.3	2.3	1.6								6.5	a
VARBL													
CALM	\times	$>\!\!<$	\times	\times	\times	\times	>>	\bowtie	$\geq \leq$	\times	><	3.7	
	6.5	_ 20 • 0	38.1	26.8	4.2	. 6		1				120.0	9.40

TOTAL NUMBER OF DESERVATIONS

115

MOs

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 12 S S S S	<u></u>	···It-	IL STATION	I MAR			_73+3	2	,	ŒAM				1 <u>4.4</u>
		-				عد ي	EATHE U				 -		1 F	
		-	- <u> </u>			ÇOL	Pition		·		<u> </u>			
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	* !	MEAN WIND SPEED
	N		10.5	1.6	1.9	. 3							5.8	9.1
	MME	I		3									1.3	12.0
	NE			1.7	تما								3. 2	2.1
	INE		1	&	á								2.9	7.7
	l l			تما									2.6	5.5
	296			1.5									2 3	ا مع
	\$4	I		1.3									2.5	2.6
	966				3								1 . 3	
				2.5	1.9	3							٤. ٦	10.0
	SSW	1 1 1		7.3	1.9	3					L		7.4	9.6
	sw		ن ا	1.6	1.6						<u></u>		3.9	10.1
	W\$W		3.	_3.4	3.5								11.9	9.0
	w		4.5	7.7		-2.3		3					72.9	11.1
	WWW	1.	2.4	4.8	-2.3	6							11.6	2.5
	NW		1.4	2.9	1.9	3							6. 6	9.2
	HHW		1.4	1.9	- 45								4.5	7.9
	VARM	L						Ļ						
	CALM	> <	><	\times	\sim	\sim	><	><	><	> <	><	><	2. •	1

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION MARK	73=02 YEARS	JA*
		ALL SEATHER CLASS	1 C HOURS IL S Y
		CORDITION	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	1.0	1.3	1.00									3.2	5.
NNE	1	1.2	3									107	7.
NE												l a C	120
BNE		3	1.3	3								1.5	2
E		1.3	۸Ė	1.3								3.5	2.0
252			1.									1.3	7.
SE													13.
388		1.13		3								1.5	7.
8		1.0	3.5	2.6.	1.5							8.7	10.
\$5W	?	2.6	1.	1.3								5.2	7.5
SW	1.7	3.7	1.0	3				I				6.5	5.
WSW	1.2	3. 2	7.0	23								11.0	7.
w	1	6.5	7.7	3.5	Lab		i					20.5	8
WNW	1.6	3.3	5.2	1.0								12.3	
NW	3	1.3	1.6	1.6	3							5.7	ا م ا
MW	1.7	1.5	2 . L	1.0								6.5	
VARBL													
CALM	\times	${\mathbb X}$	><	$>\!\!<$	\times	><	$>\!\!<$	$\geq <$	$>\!\!<$	$>\!\!<$	$>\!\!<$	₹ • 1	
	2.5	30.6	31.0	16.8	3.3							100.0	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION MARK	73-22	YEARS	- J & School Worth
		CLASS CLASS		WOVES (LST)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N			1.60	1.3	3			1				3.7.	9.
NNE	3											. 4	
NE		-	. 6									1.6	9
Ehc				1.0								2.3	- 2
E	I	1.0		- A.Á.								1.0	7.
ESE		6	7									1.2	5.
SE	, ,			. 7								1 - 3	
SSE			1 - 1				I					1.9	<u> </u>
5		2 . 5	1	1.6								6.4	7.
SSW			2.3	2 . 3	1.3							10.0	10.
sw	:	2.3	1.4	10	3							5.1	
wsw	1	7	3.5									7.7	
w	1.6	ن د		4.5	1.0							19.5	
WHW		5.2	2.9	1.6	3							11.5	7.
NW		1.3	2 . 3	1.3	- 3							5 . 5	2.
NNW		3.2	1.1	1.3								6.3	7.
VARBL													
CALM	><	> <	><	> <	$\geq \leq$	> <		><	$\geq <$	$\supset \subset$	\times	10.0	
		28.4	30.0	19.1	1.6	. 6						120.0	

TOTAL NUMBER OF OBSERVATIONS

310

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		STATIO	MAME						EARS	_			oete
	~		CLASS CLASS										
	-				coi	B: 710#							
SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥36	*	MEAN WIND SPEED
N	1	1.	1.	1.0								4 . 1	
NNE			3									1.2	
NE		4	. 6		^							1.7	
ENE	1	, ė.	ξ,	5								1.2	3.
ŧ	2	5	5	- 1								1.	7.
£\$£	2			3								100	7.
SE	1	3		3				ļ				1.2	لمنسا
358	,		عمـــا		:		ļ	<u> </u>	L			200	
	1	1.3	3.4	1.5	2		ļ					5.4	عق
SSW	1		2.5	2.1	3			ļ				7.4	نمعــــ
SW	شمــــــــــ	2.3	1.2	1.4	1							B-4	
W\$W	1-4	7.9		شعا		نتمسا		ļ				9.2	
w	<u> </u>			4.5				 _	<u> </u>			19.4	
WNW	1 1 2	1 3.1	4 - 5	2.3	4	l		L				110	9 1

TOTAL NUMBER OF OBSERVATIONS

SMOS

VARBL CALM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	17-3. YEARE	E F C
		CLASS CLASS	NOURS (L S T
		CORDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
×		1	1	- 6				i .				3 4 1	
NNE				7									
NE		7	7	1 - 6	7							3.4	12
ENE	- '1	4	7	1 - 4	. 6							1.2	13.
Ė		2 - 1	1.	1 . 1								3.6	7.
ESE		. 4	1.1								ì	1.4	
SE	. 11		- 4	. 4								1.0	
SSE			- 6	. 4								. 7	
5		1	2.1	2.1								6.5	
SSW	7	2.1	5 . 3	2.1	. 4							5.0	
SW	, , ,	2.1	3.0	1.1	. 4							8.4	
wsw	1 - 1	1 . 4	2.1	,								1. 2	- 6
w	1 - 1	<i>i</i> . u	6 3	2.5							Į.	15.00	
WNW	1 . 3	2.1	2.1	4								1	
NW	1 4 4	7.7	1.1	1 . 4	1							7 . 1.	
NNW	-	- 44	2.0	1.8								5.7	
VARBL													
CALM	><	> <	>>	> <	><	> <	> <	> <	> <	><	><	10.	
	9	25.2	25.4	17.7	2.1							1	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	73+42	YEARS	F F C.
		ALL NEATHER		1) 7 HOVER 1, 5 T
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N				1 - 1	. 4							2.43	12.0
NNE		1.1	1.1									2.1.	7.5
NE		1.1		. 7	- 4				}			7.7	
ENE		. 7	. ?	1 . 3	. 4							3.5	11.5
ŧ		1.1	2.3									4 . 2	7.2
ESE			. 7									1.1	5.2
SE	. 4	- 7	4									1.4	5.0
358	-	- 4	. 7	. 7								2.5	7.06
8	. ?	- 4	1 -4	1.4								3.2	9.1
SSW	: . 1	2.1	4.3	2.1	. 4							3.3	3.7
\$W	7	2.1	1.3	1.4								6.5	7.4
wsw	1.1	2.3	1.4	. 4								5.7	6.2
w	1 0 4	4 . 4	3.5	2.1								11.7	7.0
WNW	1.4	4.3	2.0	1.4								9.6	6.5
NW	13	4. 7	1	7								7.1	b e E
NNW		1.2	1.3	2.1								E a C	A . S
VARBL													
CALM	$\supset \subset$	> <	><	><	$>\!\!<$	> <	$>\!\!<$	> <	><	><	><	18.8	
	5 . 2	22 a is	26.2	la a D	1.4							150.0	6.2

TOTAL NUMBER OF OBSERVATIONS

252

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BYATION	STATION HAME		YEARS	FFR HONTH
		ALL WEATHER		Hours (L.S.Y
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N		1.0	- 4	1.1								3.5	9.
NNE					- 4							1.4	9.
NE		· ·	7	1.1								2.5	9
ENE		1.1	1.4	1.1								4.3	9.
£		1.4	1						[3.9	7.
ESE		į,										1.4	S
SE			. 2	7								2.1	٤
558												1.1	
5	1.1		. 1.									3.2	6
55W	1.4	2.5	3.2	3.2								11.5	
sw	1.1	1.1	2.1	1.4								6.4	9
wsw	3.1	2.5	1.1	1 0								7.1	
w		3.3	1.2	1.1				L				9.6	
WNW	2.1	3. 9	1.9	1.5								9.2	£
NW	1.1	3.2	2.1	_1.1								7.4	£
NNW		2	2.5	2.1								7.4	
VARBL													
CALM	\times	><	><	$>\!\!<$	><	$>\!\!<$	><	$\geq <$	$\geq \leq$	><	><	18.4	
	13.7	24.5	24.5	17.0	1 . 11	. , ,	_		[120.0	. 6

TOTAL NUMBER OF OBSERVATIONS

282

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 55	ALLE FILE BY IL STATION HAME	73-22	YEARS	FFB
		ALL WEATHER		HOURS (LET)
		COMPLY NOW		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	9	1.1	1.1	1.2								4.3	9.
NNE		. 15	1.4	. 4	7	4						3.7	12.
NE		. 4	1.1	1.9		- 4			<u> </u>			3.9	10.5
ENE		. 7	2.1	. 7					I			3.9	8 . !
			1.2	. 7	7							3.5	10.4
225		_ 7	1.1	ži.								2.1	8 . 2
SE		1.1	1.4	4								2.6	7.5
SSE		. 7	. 7									1.6	7.4
8		. 7	1.4	1.1								3.2	2.4
\$5W	2.1	2.1	5.3	2.5								12.1	7.1
SW	1.1	2.1	3.2	2.8	4							9.5	8.
wsw		. 7	_ 1.1	1.8					Г.,			3.5	10.
w	. 7	4.6	3.2	2.1	. 7							11.3	
WNW	. 7	7.0	2.0		. 4		, i					9.6	7.5
NW	1.1	3.2	2.8	1.8								6.9	7.4
NNW	. 7	7.1	2.0	1.3	. 4							7.2	8.
VARBL													
CALM	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	>>	>>	\boxtimes	> <	\times	8.5	
	7. 4	24.0	33.3	22.0	3.2							100.0	7.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TYATION	STATION MARK	73-6-2 YEARS	
		ALL MER GLAM	MOVES (LET :
		CONTINUE	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	7	1.1	1.8	1.1	7	, is						5.7	9.
NNE		1.1	1.1	1.4		· it						4.6	10.
NE	7	7	2.1	_1.1	7							5.3	9.
BME		1.1	1.4	7								3.0	9.
£	1-1	2.5	2.8	1.4								8.2	3.
ESE		. 7	7									2.1	9.
SE												- 4	6.4
SSE		į.	. 7									1.1	7.
5		1.1	2.1	2.1								5.3	9 .
SSW		. 7	1.4	5.7								8. 7	11.
SW	7	1 . 4	3.5	2 . 8		u						8.8	9
wsw		1 1	2 . 1	3.5								7.1	11.0
w	1.1	3.5	4.5	5.0	. 7							14.9	9.4
WHW		2.5	1.3	2.1								6.7	8.
NW		1 - 2	7.2	1.1	7							6.7	9 .
NNW	. 4	2.1	. 7	2.9		. 4				T		13.4	9.4
VARBL	•									<u> </u>			
CALM	\times	\times	\times	\times	\times	\times	\times	\times	> <	\times	> <	5 • 3	
	٠, ٦	22.0	30.1	31.6	3.9	1.4			-			120.5	9.

TOTAL NUMBER OF OBSERVATIONS

742

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	SLEWIE I II STATION HARR	7 7 - 8 2 YEARS	- FFR
		ELASTHE P.	HOURS (L S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1-3	4 - 6	7 . 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N		1.03	. 7	2.5	. 4	. 4						5.7	11.
NNE		1.1	1.4	1.8	7	. 4						5.7	11.
NE		1.4	2.5	2.1								6.4	8.
ENE		2.5	2 . E	1.1								6.4	
2		1 . 9	1.0	1.8					I			4.0	8.
ESE		1.1	1.1									2.1	7.
SE		1.1		i								1.4	7.0
SSE			4	7								141	_12
\$		7	2.1	1.2	- 4							5.3	9.
\$\$W			2.8	7.9	. 4							7.4	-11
SW	- 1	. 4	1.8	3.5	4							6.4	_11
WSW		, ij	3.2	4.3	4							8.2	-11
w		3.2	5.7	5.7	1.1							16.7	15
WHW		قما	3.2	7.2		. 4			I			5.4	10.
NW	4	1.1	1.4	1.1								3.0	5.
MMM		2.1	1.4	2.5		. 4						6.4	-10
VARBL													
CALM	$\supset <$	$>\!\!<$	\times	><	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\supset <$	>>	3.7	
	2.1	20.2	31.9	36.2	3.5	2.1			Ţ			150.5	- 9,

TOTAL NUMBER OF OBSERVATIONS

2 82

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TAYION	STATION HABE	73=82 YAMS	FF3 wonth
		ALL SEATHER GAGE	HOURS (E.S.T.)
		COURTAINE	_

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.3	2.5	1.1	7							7.1	. 8 .
NNE	1.0	. 7	2.1	1.1	1.4							.6.7	9.
NE		1.1	2.1	7								3.9	á
EME	. 7	1-1	. 7	. 7								3.2	. 6.
	1 - 1	2.3	1 .4	1.1								6.4	7.
ESE		7 . 0										2.5	Sa
SE	Ł	7										1.1	4.
\$\$E		. 7	. 4	1.1								2.5	3.
\$	7	1 . 12	2.2	1.8								6.7	
35W	is	1.4	4.3	1.4								7.4	
sw		2.3		2.6						İ		7.8	
wsw		1.7	2.1	1.8	. 44							6.4	\$.
w	1.4	6.0	5.4	2.5	. 4							16.7	7.
WNW	a a	2.1	1.4	1.4								5.3	7.
NW		7.5	1 . 4	. 7								5.7	
NHW		7	1.4	1.6]						3.9	9
VARBL													
CALM	><	> <	\times	$>\!\!<$	> <	\times	\times	$>\!\!<$	\geq	\times	\times	6.7	
	5.5	29.8	31.9	19.9	3.2							150.5	7.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

T AL 15 E. STATION	TER VIEW. IL STATES MAIL	73-82	YEARS	FER MONTH
		ALL MEATHER		BOURS (LET)
		COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - \$5	≥56	*	MEAN WIND SPEED
N	4	. 7	1.1		. 4							3.2	9.
NNE	. 4	1.1	4	1.5								3.9	11.
NE	4	1.1	1.5	1.1									
ENE		7	1.3	1.1								3.5	3.
	. 7	1.8	1.4	7								5.0	7.
ESE	¥		4	į,	. 4							1.9	9
SE	7	. 4	7	4								2.1	£
356	. 4		. 7									1.4	٤.
\$	Ų	ئام 1	2.8	2.5					Ĭ			7.4	9.
\$\$W	1.1	2.3	1.3	3.5	. 4							9.6	à.
sw	7	2.1	3.2	1.1								7.1	7
WSW	1.1	2.5	2.1	4								6.0	6.
*	e د	3.9	6.0	2.5	7			L	L			15.6	1.
WWW	1.2	2.1	1.1	7								5.7	5
NW			1.4	1.1								2.8	. 8.
NNW		1.3	3.5	1.4								7.1	8.
VARBL													
CALM	$\times\!\!<$	> <	\times	\times	\times	$>\!\!<$	$>\!\!<$	$\supset <$	$\geq \!$	\times	> <	13.3	
	10.6	23.0	30.5	19.5	2.5	. 10						120.0	7.

TOTAL NUMBER OF OSSERVATIONS

282

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	GL F I I N II STATION NAME	13-82	YEARS	FF G
		STATISTICS STATES		HOURS (L.S.Y.)
		COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	- 1	. 1.3	1.7	1.2								4.6	9.3
NNE	_ (4	1.5	0		2						3.6	13.5
NE			3.5	1.2	. 3							9	9.4
ENE		1.0	1.4	1.1	1							3.9	9.1
	a	1.6	2.0	- 3								5.1	7.9
ESE	. 1	. 7	7									1.5	7.4
\$8	- 3		. 11	. 7								1.0	6.8
SSE			. 5									1.5	9.1
\$	·	1.5	2.1	1.6								5.1	3.5
SSW	. 3	1.0	7.7	3-1	. 2							9.2	9 . [
sw	رد	1.7	2.7	2.1	. 2							7.6	8.8
wsw	. 7	1	2.5	1 - 6	. 1							b.2	A. C
w	7 . 4	4.4	4 . 7	2.9	. 14	. 1						10.7	B a 1
WNW		2.3	2.1	1.6	. 3	, "						7.4	7.4
NW		2.6	1.0	1.1	. 1							5.2	7.4
NNW	-	1 - 7	2.1	2.0		- 1						6.3	9.2
VARBL													
CALM	>>	\times	><	\times	\times	\times	\times	\times	$\supset <$	\searrow	>	11.4	
	5.7	243	25.6	22.5	2.7	, ,						320.0	7.5

TOTAL NUMBER OF OSSERVATIONS

2256

91406

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 13 1 6 5 STATION	SLENVIEW - IL STATION HAME	7 3 - 2 2 YEARS	M A C
		CLL SEATHET.	HOURS IL S T
		COMPLETION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEED
×	1.0		1.5									4.5	- S a 1
NNE			1.1	1.5	3							2.5	10.
NE		1.3	7	. 6								3.5	8.
ENE	7	2.3	1.7	1.3								5.8	7.
e		1.0	1.3	1.0	3							3.9	- 2
est	1.2											3.2	ξ,
SE			3	3								lei	7.
894	3	1.0	1.0									2.9	£ .
	1.0	1.7	1.7	1.0	6							6.5	2.0
35W		3.2	1.9	2.3	3							7.7	9
\$W	3	1.0	1.6	2.3	- 6			l	<u></u>			5.5	10.
WSW	1.7	1.6	1.2	6	3		L					5.5	
w	2.3	F. 5	1.2	2.6								12.3	مع
WHW	4	1.0	3.5	6	3							fig.1	8.
NW		1.6	2.3	1.6								5.5	2.
MWW	. 3	1.0	6									2.3	6.
VARBL													
CALM	><	><	\times	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$\geq <$	$\geq \leq$	$>\!\!<$	><	20.0	
	10.0	24.8	24.2	16.8	4.2							100.0	_ b.

TOTAL NUMBER OF OBSERVATIONS

310

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATOOR SAME	73 + A 3 YEARS	MAR ONTE
		ILT WEATHER	moves (LEY
		COMPATIGOR	-

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 55	≥56	•	MEAN WIND SPEED
N	1	1.0	1.6	6	- 6.							5.5	2.
NNE			1.	3					L	L		1.9	
NE		1.7	1.3	ثمد								_4.2	7.5
ENE			1.6	L								3.2	10.
ŧ		1.6	1.9	1.3								5.0	7.2
ESE			1.5	. 3								1.0	3 4
\$ £		1.1										2 - 3	7.4
55£		. f.	3									1.5	7.0
•	1.7	1 - 6	2.6	1.6								6.8	
SSW	1		1.6	1.0					Ī ———			2	7.1
SW	. 1	1. 3	2.9	1.9	. 3							7.4	9 a i
WSW	غما	1. 5	1.2	. 6								5.5	7.
w	7. 7	3.5	2.3	1.0								11.3	5.4
WNW	1.0	2. 1	2.5	1.7								7.4	- 6.4
NW	7.7	2.3	2.6	1.3					1			7.1	1.
New			1.0									4.2	9 9
VARM												344	
CALM	\times	> <	\times	\times	\times	\times	\times	\times	\boxtimes	\times	><	70.3	
	12.9	21.9	22.4	13.9	2.6							100.0	

TOTAL NUMBER OF OBSERVATIONS

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10055	(85.17F3. TI	73 = 37		M & 2
STATION	STATION HAME		YEARS	MONTH
		ALL WEATHER		
		CLASS		HOUSE (LST)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.4	1.9	. 6							6.1	9.9
NNE		1.2	1.0	.E								4.7	5.4
NE	I,	1.3	1.5									2.6	6.4
ENE		1.5	lat	1.0								4.5	7.9
E	- 2	1.3	1.9	. 6	1.0							4.2	9
282		- £		. 3								1.65	9.4
82		1.0	7									1.3	5.1
352		la	3	3	3			I	L			1.5	9 .
\$	1.4	2.3		1.3	. 6							7.7	7.5
\$8W	1.3	1.3	1.3	2.3								5.3	8.4
SW	1.6	1.9	خە 2	2.6								£ . 7	3.
wsw	7	.1.5	•	. 3	. 3							2.3	نمق
w	J. f.	- 2.5	2.6	1.3								5.1	7.2
WW	2	2.6	3.7	. 1.0	3							7.7	7.4
NW		1.4	1.5	1.3					[5.2	7.1
WWW	1.3	1.0	3.2	. 6								6.1	7.0
VARBL												[
CALM	><	\times	\times	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	$\geq <$	$>\!\!<$	\times	$>\!\!<$	21.3	
	1706	22.6	24.2	15.5	3.9							130.0	6.

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	75-27 YEARS	MAC MONTH
		41.1 47.41.45.7	HOURS (L s T
		COMBITION	_

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N			1.2	3.2	1.3							7	11.
NNE		. 1.3	1.3	1.6								4	
NE		1.0	1.3	_1.0								ع پ	
ENE	1.3	1.0	1.6									4.2	
E	4	7. 5	2.5	1.6								E a i	â
ESE	: . 7	. 1	1.3	_ 3								2.0	5
SE	- 1	. 6	1.5									2.6	. 6.
\$\$E	1	- 5	1.43									2.3	
5	,	1	4.2	2.3	11	. 7						9.0	1 44
\$5W		l a á	3.5	1 . 4	1.0							7.4	9
SW		. 6	2.3	2.3	1.0							5.6	10
wsw	i ~	- 12	1.6	1.3		_ 3						5.5	. 9
w		1.3	2.3	2.3	. 3							6.5	_ 1£
WWW	ė	2.9	2.8	1.8								8.4	
NW			2.5	1.6								6.8	8
NNW		2.3	7.0	1.3								7.7	7
VARBL													
CALM	$\supset \subset$	$>\!\!<$	\times	\times	> <	>>	><	$\supset <$	$\supset <$	$\supset <$	><	5.5	
	7	22.5	35.6	23.5	4.5		-					100.0	j:

13

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOITAYS	STATION HAME	77-17	YEARS	<u>Д М С</u>
		CLAP CLAPS		NOURS (L S T
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N			1.	2.2		7						4 . `	12.
NNE		1	2.6	2.6								6-2	1.101
NE		1.0	2.3	1.6								<u> </u>	7.:
ENE		1.7	3.4									2.1	8.0
ŧ		1.2	٤	2.3	3							5.5	9
ESE		4	1.3									2.3	2.00
SE		1.0	1.66									3.2	5.40
\$\$4			- 1.	6	7							2.3	10.
5			2.3	3.5	7								10.
SSW		1.3	23	1.3	1.6							7.4	12.
SW		لنمل	اثم 1	3.2	3							1 2 2	11.
wsw	ذ. و	1.2	1.0	2.6	. 2							7.4	120
w	1.3	1.	2.2	3.9	1.3							10.5	10.1
WNW		تملي	2.2	1.6	3	. 3						6.6	10.5
NW	7	2.3	3.4	2.3								2.9	5.4
MMM		. 6	1.4	1.0	1.0				I			4.5	11.4
VARBL													
CALM	$>\!\!<$	$>\!\!<$	\times	\times	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	\searrow	><	3.7	·
	_3_5	10.4	34.3	31.7	5.5	1.9	. 3					100.1	ا م ز

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14.14	51 8 5 (TEX. 1)			<u> </u>
HOITATE	BHAN NOITATE		TEARS	MOMTH
		MIL TRATHER		1:
		CLADS		HOURE (L S T
		C9HBIT+OR		

SPEED (KNTS) DIR.	1 - 3	4-4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N			2.3	l.s								4 4 5	12.
NNE		1.2	2	2.9							1	7.1	9.
NE		1.2	3.4	1.2							1	6.4	
ENE		1.1	1.4	2.3								5.00	7
£		ن ۲	3.4	1.6								1.5	7
ESE												2.3.	
SE			1	12							1		
SSE													1.1
5		1	2.0	2.3								d • 7	ý
55W				2.2	3.7					,	11	7.1.	12
sw		1 - 2	1.1	1.9	1.2	1.						7.44	15
wsw	1	1 / .	1 . 3	1.7	6							2.6	10
w		1.3	3.0	غمذ	1.7							12.7	.11
WWW			1.2	1.3	5			[_ i.i.	10
NW			1.4	2.3	7							5	_1.
NNW			3.4	1.5	A						1		13
VARM													
CALM	><	><	><	> <	> <	><	><		><		><	! • *	
		15.1	₹5	71.7	2.1	, ,		-				1 0 - 1	- 1

B.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 . 7 .	Ithialta. It	73.4.7		56 a 5
STATION	STATION NAME		YEARS	MONTH
		MIL MEATHER		18
		CLAUS		HOURS (L S T
		COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
×		2.2	2.3	1 a 3	3							tai.	9.
NNE		2.5	.2 . 3	1.6	. 3							7 . 7	8
NE		7.3	7.1	1.0								7.4	7.
ENE	1.3	3.	1.3									6.4	. ذ
8	1	3. :	2.1	a E	7							7 ع	7
ESE			γ.									1.5	
SE			2.7									2.51	
SSE		1.0"	1	1.0								in £	9
5	•	1. ?	(a	1.6								7.7	û
55W		1	1.	1.9								5.2	13
sw	1 -	1	1.5	1.9	. 1							5	3
wsw			2.3	1.5								7 - 1	5
w	7	2.7	2.0	3.6	1.3							1.2	10
WNW	1	1.3	H . 3	1.7	7							7.7	
NW	4	1.3	2.1	1.3								5.2	i
NNW		. 3	1.7				. 3					2.6	10
VARBL													
CALM	>	> <	> <	><	><	><	> <	><	> <	$\overline{}$	><	4	
		27.4	31.0	19.7	2.2	. 7						170.1	. ن

TOTAL NUMBER OF OBSERVATIONS

::c ~

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	517.4154. 11	73+12		MAR
NOITATE	RMAN ROITATS		YEARS	NTHOM
		CLASS THEF		21
		CLASS		HOURS (L S T
		COMPLYION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 · 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		1.00		1		~						5.5	7.
NNE		7.3	1.0	1.3								7.7	Z.
NE			1.6									2.5	
ENE		1	1.4	. 3								3.5	
e		1. 1	1.5	1	- 3							2.0	
ESE		- 2	4	1.0								3.0	7.
SE		1.		. 3								2.1	£. a
SSE	,	1	1.5									4.5	7.
5		1.6	7.7	1.9								6.1	8.
SSW		1.3	2.3	1.9	. 3							5.5	9
sw	1.7	1 - 3		1.5								6.1	7.
W5W		1.3	1 . 7	17								E . 2	7.
w	7	7. 2	2 7	4.2	. 3							12.9	g
WNW	1.0.4	2. 2	2.7	7								E . F.	
NW		1.0	Ė									7 . 7	7.
NNW		. to										1.3	ه د
VARBL			-										
CALM	\times	> <	><	\times	\times	>	> <	$\geq \leq$	$\geq \leq$	><	\times	16.5	
	1, 2	22.5	23.5	18.1	, ,	,						150.0	6.

TOTAL NUMBER OF OSSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION			STAT ION	I NAME		ALL I	EATHER AM			TARS				FILSY
		-				CON	NTION				_			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
	N		1.	1.5	1.6	5				-			5.5	لمخ
	NNE	1	1.5	1.7	1.5	2								
	NE		1. "	1.7	, A								4.7	7.5
	ENE		1.6	1.5	. 9								5.1	7.0
	ę		2.2	2.1	1.2	. 3	rı.						6.4	8
	ESE	. 7		7)	. 4								2.5	7.
	SE	. 2	3	1.0	. 4								2.4	7.
	SSE		. 7	4	. 4								2.3	2 •
	*	- 5	1.4	2.0	2.0	. 3							7.6	9.
	SSW		1.3	-2.2	1.9		1						6.4	10.
	\$W		1.3	1.7	2.3		1						6.5	10.6
	WSW	7	1.5	1.6	1.3	3	1						5.5	30
	*	1 4	2.6	3.0	3.1								10.6	8.0
	WNW	7	1.7	3.1	1.1	. 2							5.9	8.
	¥		1.7	2.1	1.5								5.3	8.
	NNW	4	ç	1.8		. 2			_				4.2	5.0
	VARBL													
	CALM	$\triangleright <$	$>\!\!<$	$>\!\!<$	$>\!\!<\!\!<$	$>\!\!<\!\!<$	><	><	><	$>\!\!<$	\searrow	><	11.4	

TOTAL NUMBER OF OSSERVATIONS

1

G. .

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION	STATION NAME	<u> </u>	YEARS	APR HORTH
		ALL WEATHER		HOURS (L.S.Y.)
		COMPATION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	7		2.	2.0	1.3							6.3	13.8
NNE	1.7	2.2	2. 0	1.3	5	3						9.0	0,5
NE		1.3	7	1.3								3 4 5	
ENE	7	7	3	. 7	. 1	- 3			i			2.7	11.3
£	7	2 - 7	1.7	. 3				1				5.3	6.3
ESE		1.3	. 7	. 7								3.3	6.9
SE	. 7	. 7		- 7					1	1		2.3	7.5
SSE	1. 1	1.0	1 7	. 7								4 . D	6.3
s	2.1	1.7	. (1)	1 - 7								8.7	7.2
SSW	1.7	2.7	1 - 7	1.5								7.5	£.2
SW	1.7	1.7	1	1.3								5.0	7.5
wsw		1.3	. 7	. 7							Ì	3.7	6.7
w		7. 8	4 7	. 7	. 3							8 - 3	7.4
WNW		. 7	1.7	1.7		. 7	· · · · · · · · · · · · · · · · · · ·					4.0	13.4
NW		- 7	. 7		. *							1 . 3	9.5
NNW	-	1.7	7	. 7	7					\vdash		2.7	9.9
VARBL				_			-						
CALM	>>	> <	> <	\times	\times	> <	> <	> <	> <	$\supset \subset$	> <	72.3	
	1 7 . 7	22.7	22.3	14.7	7.7	1.0						180.0	6.2

TOTAL NUMBE	t Of	OSSERVATIONS	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAME	73-92	YEARS	APE MONTH
		ALL WEATHER		MOURS (C. B.T.)
	<u> </u>	COMPITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.0	2	2.3	7							7.0	9.8
NNE		1.2	11	3	. 7							5.7	7.3
NE	7	1.3	1.3	7	. 7							4.7	8.9
ENE			. 7	1.3						L		3.0	8.9
ŧ	- 3	1.7	2.3	3	. 3							5.0	7.8
198	1.7	1.0	. 7	7								3.7	6.3
SE		3	1.0	1.0								2,7	8.9
SSE		. 7	1.0	. 7								2.2	5.7
5	. 7	2.3	2.7	1.3								7.5	7.6
SSW		1.3	3.3	1.7	3							7.0	9.1
SW	1. 1.7	1.5	2.7	3			<u> </u>		<u> </u>			5.0	7.4
WSW	3	. 7	1.2	3	3							3.0	8.2
w	1.5	2.7	2.0	1.3		_						7.6	7.4
WNW	7	1.0	1.0	7		3						3.7	8.5
NW	1 7	1.7	1.0	. 7	. 3		ļ					5.0	7.2
NNW	'5	1.3	1.0	3								3.0	6.5
VARBL	I												
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	25.3	
	1100	21.0	25.0	14.0	3. 7	. 3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 301

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U.S. GPO 1984 741 348/2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HARE	73 - 2.2 YEARS	APC UDATH
		AL LEATHER	NOVES (L.S.Y.)
		CONTRACTION	

SPEED (KNTS) DIR,	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
М	. 7	2.3	. 2.3	1.3								4.7	7.6
NNE	2.3	7	1.7	1.7	3			_				5.7	9
NE	7	1.7	. 1	7	. 7							4.7	3.1
ENE	. 4	. 7	2.7	. 7			_ 7					4.7	
E	1.0	1.7	1.7	1.7	. 3	. 3						6.5	8.3
ESE	- t	الما ا	1.3	1.1								3.7	B a S
SE												1.3	5.5
SSE	1.5	2.3	. 7	. 7	7	-						5.0	7.7
5	1	2.3	1.3	2.0								6.7	7.5
\$\$W	7	1.0	1 . 7	1.3								4.7	Bet
SW	. 7	2.7	2	1.3		*						6.7	6.5
wsw	7	1.7	1.5	1.3								4.3	7.5
w	1.7		1.7	7	. 3							7.7	5.1
WNW	7	تمد_	1,	7						L I		4.0	7.3
NW	1.1	7	7	2.3								9.7	9.9
NNW	7	1.7	7	. 1								3.3	5.9
VARBL													
CALM	\times	$\times\!$	$>\!\!<$	$>\!\!<$	$\nearrow \nearrow$	>>	> <	\times	> <	><	> <	19.3	
	17.3	25. 7	21.7	16.3	7 2	1.0	- 3:					100.0	6.4

G.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 : 5 S	CLET VIEW	STATION HAME	72-62	YEARS	APR HONTH
	_		ALL WEATHER		HOURS (LST.
	_		CORPITION		
	_				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	25 · 33	34 - 40	41 - 47	40 - 55	≥ 56	*	MEAN WIND SPEED
N	. 7	2.0	2.3	7 . 3	. 3							3.7	9.
NNE	. 7	2.0	1.3	2.3	1.3	. 3						8.5	11.
NE			2.3	2.3		. 7						5.0	12.
ENE	. 3	2.0	4.7	. 3		3						7.7	8
Ł	7	2 - 3	1.7	1.3								5.7	7.
ESE		. 7	2.3	- 3	. 7							3.7	9.
SE	7	. 1	2.3	3								3.7	7.
SSE	. 4	7	1.3	2.0								4.3	0
\$		1.0	b G	2.3	1.0							10.3	10.
SSW		1.3	1.7	3.5		7						6.7	-11.
5W		1.0	2.7	7			3					5.0	_ 9•
WSW	3	1.7	1.3	2.7								6.3	10.
W	. 7	3	2.3	2.3	7							6.3	10.
WNW	7	7	2.0	1.3								4.7	
NW	ž	عَم1	2.3	1.3								5.0	9.
NNW	7		2.1	3								2.7	9.
VARSL									L				
CALM	$\times\!\!<$	><	\times	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$\geq <$	$>\!\!<$	$>\!\!<$	><	6.7	
	4 2	17.0	38.7	26 a D	4.5	2.0	. 3					130.0	9.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	STATION NAME		AF C
		CIAMB CIAMB CIAMB	HOVES (L.S.T.)
		COURTAIN	-

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.0	2.3	3.7								6.7	10.8
NNE	7		1.7	5.0	1.3				l			9.0	12.5
NE		1.7	3.	1.5	3	7						6.7	10.5
ENE		1.7	5.7	1.5	. 3							5.7	9.0
E		7.3		1.1								9.7	8.3
ESE	,	7	1.7	1.7								4.3	9.6
SE			1 . 7	7								2.3	10.5
SSE		. 1	1.7									3.00	10.1
\$	1.0	1.3	2.7	3.7	1.0	3						9.3	10.6
55W	2		2.7	3.7								7.3	10.5
SW			1.7	7.3	3							4.7	13.3
wsw		7		. 1.0		7	3					5.3	13.4
w		1.7	- 7	3.0	7	7						7.5	12.0
WNW	7	1.7	2.7	2.3	3							7.7	9.3
NW		7		2.:								3.3	_11.1
MMW		7	7.0	3								3.0	3.4
VARSL													
CALM	\times	$>\!\!<$	\times	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	><	><	\times	$>\!\!<$	2.0	
	3.0	16.7	37.7	12.5	5.C	2.3	. 1					100.5	.10.1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	LLET TEN. IL STATION MARKE	73 ~ M.Z. YEARS	AP D
		ALL SEATHES	15 HOURS (LST)
		COMBIANOM	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
Z			2.7	3.7								7.0	11
NNE			4. 7	5.0	. 3							12.7	10.5
NE		7	4.7	1.7	. 3				I			9.	9 . 1
ENE		1.0	المف	1.3	. 3							9.0	9.7
E		• •	5.7	2.0								9.7	8.5
ESE		1.0	2.3	1.7	. 3							5.3	9.6
SE			1.0			-						1.3	
SSE	7		. 7	2.0								3.7	11.1
\$	7	. 3	2 . "		1.3							7.0	12.6
\$5W		1 - 7	2.7	2.7	. 7							7.3	10.5
sw		2.5	1.0	2.0			_	_				5.7	
WSW			1.5	1.7	. 7							4.7	13.5
w	7		2. :	2.0	1.7	• 7						7 - 3	13.
WNW	-	. 1	2.7	1.7	7				<u> </u>			9.7	
NW			1.7	2.7				<u> </u>		†		4.3	
NNW		. 3	7		. 7			_				1.3	
VARBL		-					··			T			
CALM	\times	$>\!\!<$	\times	\times	\times	\times	>>	> <	\geq	\geq	\times	• 3	
	2.3	13.0	42.0	33.3	7.3	2.0						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS	TOTAL	NUMBER	of	OBSERVATIONS			r	į
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STAYSON	SLOVEIER, II STATION MARKE	73-92	YEARE	AP :>
		ALL WEATHER		Moves (L.S.T.
		COMPLICA		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3		2.3	-3 - 3	. 7							7.3	11.
NNE	. 7	7.3	3.3	2.7		. 3						10.7	9.
NE	1.3	7. 7	3.7	2.5								10.7	В.
ENE	7	3. 7	17	.1.3								7.3	
E	7	4.7	4.3	7								10.3	6.
ESE	7	3.3	2.3									6.3	5.
SE		1. 7	1.7	. 7								4.5	7.
552	3	7	1.5	. 3								2.3	7.
\$			1.7	4	3							6.3	12.
55W			2.7	1.0	3							9.7	9.
5W		1.7	1.7	7.8								6.	9.
wsw			2.0	1.7								4.3	-3.
w			3.7	3.7	7	. 7						9.5	13.
WHW			1.7	1.3								9.7	10.
NW			*									1.7	7.
NNW			2.3									2.3	9
VARSL													
CALM	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	> <	> <	$\supset \subset$	$\supset <$	$\supset <$	> <	2.5	
	5.7	25.7	37.7	25.3	3.3	1.0					-	100.0	A.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	DEPTIES, I	STATION MARK	*3=8	YEARS	APS WORTH
			PLL SEATMES		NOVES (LST
			CORDITION		-
			· · · · · · · · · · · · · · · · · · ·		-

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	1.2	4	2.7	1.5	7						11.2	10.0
NNE		1.7		1.0								5.0	7.3
NE		_1.	1.7	1.0						l		4.7	8.4
ENE	7	1.	4.3	1.0	. 3					i		3.3	6.3
ı	1	4.0	2.0	1.0								3.0	٤.3
ESE			7								[3.7	5.5
SE	1.3	. ?	7		7				I			3.0	6
332	. 7	7	2.0	7								4	7.8
8		2.3	2.7	1.3	7							5.3	7.5
\$\$W	1.3	7	1.7	iad								4 - 3	5.5
\$W		2.5	7	1.3								5	7.
W\$W	المد الما	نما	2.0	7								4 . 7	کو دو
w	-	1.7	2.3	2.3	7	3			L	l		7.	10.
WNW			2	. 7					l	<u> </u>		2.7	8
NW		7										1.3	و و د
NNW												7	
VARBL													
CALM	$\triangleright <$	\times	\times	\times	><	><	><	$\geq <$	><	><	$\geq <$	1.7	
	210	21.0	23.7	15.3	3.0	1.0	. 3					102.0	

TOTAL NUMBER OF OBSERVATIONS

G.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BTATION	STATION NAME	77-A	AP:
		STATUES STATE	AL I
		COMBITION	
			_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		1.2	2.5	2.7	S	- 1			L			7.6	1.1.1
NNE	,	1	2.5	-7 F	7							E	-
NE	L	1	7.6	1.8								5.00	9.
ENE		1.4		1		1						5.5	2.5
	f.	2.8	7 .	1.5	1							7.0	7.5
ESE		1 . 4	1.1	3	1							4. 7	7.6
SE	L		1.1	. 10								2 .	7.5
SSE		. 7	تمد	1.7	.1							3.5	2 4
S	1	1.3	2.7	2 3	2	411						<u>.</u>	9.0
\$\$W	4-		2.:	1.9	2							5.1	2
sw	f.,	1.5	1.7	1.4	1	.1						د د	
WSW	1	1.1	1.6	1.7	2							(5	9 . 4
_ w		1.7	2.2	2.0		•	1					7.5	10.1
WNW			1.0	1.2		. 1						4 . 5	9.
NW			n	1.2	1	•			l			3.3	9.0
NNW			1.0	. 2	1							2 4	3 4 3
VARBL													
CALM	><	$>\!\!<$	><	><	><	><	> <	> <	$\geq \leq$	\times	><	12.5	
	3.6	: 0 - 1	375.4	22.1	4 - 1	1 - 7	. 2					1 10 - 3	£ a.:

TOTAL NUMBER OF OBSERVATIONS	2400
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HAME			1 * 3 ** VEARS						ン人 [*] MONTH		
21111000	_			ell v	EATHER			_				JC
	_		-	EI	A86						HOURS	LET
	_			CON	DITION	 -						
												
_	· · · · · · · · · · · · · · · · · · ·									,		

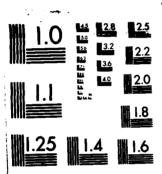
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	43 - 55	≥ 56	*	MEAN WIND SPEED
N	1.1	2.3	• 2	1.	. 5)	7						ر خ و خ	£ .
NNE	1.	1.0	2.00	100								8.1	7.
NE		10	1.1									3.5	
ENE		ت و		1.5								3.	5.
E	1.	1.	1.							L		3. "	<u> </u>
ese		1.										1.	
SE									<u> </u>	ii		1.5	5.
SSE		101						<u></u>					
\$			2.2	1.5								5.1	7.
SSW	نعنا	1.3	1.	1.3	1.5					Li		أذمت	
SW		3.3	1.3									= -	4.
wsw	تمني	1.7	1									<u>'</u>	<u> </u>
w	ا منا	2.7	1.0									4 .	5 <u>.</u>
WNW		1.2								11		105,	
NW		1."										1.6	4 <u> </u>
NNW		,	7									10'	
VARBL										<u> </u>			
CALM	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	><	><	><	><	><	><	₹6.4	
	14.5	24.2	17.5	7.7	2.3	5						100.0	4.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

						Ass						HOURS	11.31
	_				CON	SITION				_			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 · 47	48 - 55	≥ 56		MEAN WIND SPEED
N	;	1 - 1	1	1.	. 61								
NNE	1.	1.1	1		. ,							4	7.
NE	1 7		1 -										
ENE	. :	1							:			1.5	
E			1.1	. 6									
ESE	. 1		. 1				!					1 1.	
SE								<u> </u>				1	
SSE			1.3	,								1	
S	1 7	2. /	2.2	3									
SSW		1.0	77 5	, , ,									
sw	1.4	1	1 -				<u> </u>				· •————		
wsw	1.1	2 .		3					<u> </u>	· 	·		
w			1.6				<u> </u>			 		1-1-1-	بع
WNW		7 7	1					<u> </u>	L	ļ. — —-	·	40	_ 4
NW									L	· 		1	
NNW								<u> </u>		ì		<u> </u>	
VARBL							Ļ	ļ	Ļ		<u></u>		
CALM													

AD A150 396	SUMMARY GLENVIEN DETACHME	OF METEOROLI ILLINOIS(U NT ASHEVILL	OGICAL OBSER I NAVAL OCEA E NC. AUG 84	VATIONS SUR NOGRAPHY CO	IFACE (SMOS)	2.4	
UNCLASSIFIE	D				F/G 4/2	NI	
		1					1
		 					
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+ +							+
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MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

J

SURFACE WINDS

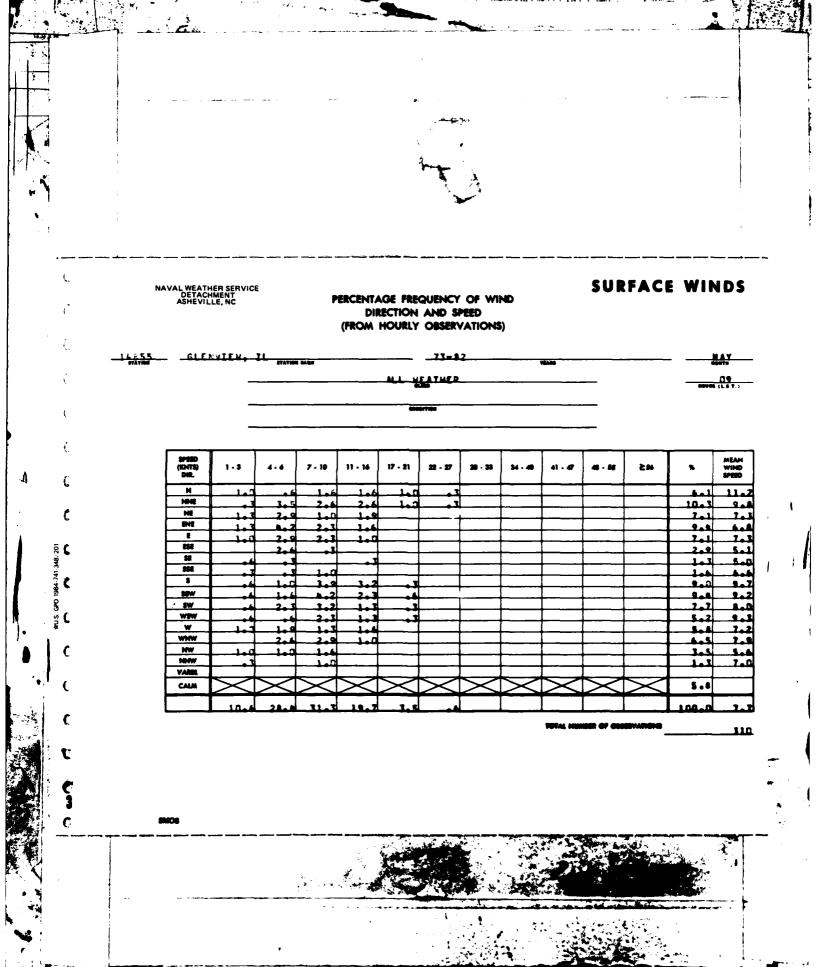
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14555	GLENVIEW. IL	73-82		MAY
STATION	STATION HABE		TEARS	40471
		ALL MEATHER		06
		CLASS		MOURS (E.S.T.)
		COMPLYION		
		· · · · · · · · · · · · · · · · · · ·		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 13	34 - 40	41 - 47	4 - 55	≥#	*	MEAN WIND SPEED
N	1.0	1.9	1.6	1.9		.5						7.1	8.6
NHE	1.6	1.9		1.3				l	<u> </u>			5.8	6.1
NE	1.0	1.0	غم ا	1.0								9.5	6.4
ENE	2.3	1.2	1.0	- 6				<u> </u>				5.8	5.4
•	1.0	2.6	1.0	. 3								9.8	6.1
292	1.5	- 3										1.6	2.4
\$8													
352	1.6	1.0	. 6									3.2	
8	1	2.3	2.6	6								6.5	6.4
\$5W	1.6	1.6	2.3	2.3								7.7	7.4
\$W	3	1.9	1.3	1.0								4.5	7.4
WW	3.0	2.3	1.3		_							9.2	5.4
W	2.6	2.9	1.0	. 3								6.8	4.
WNW	. 3	2.6	. 3	3								3.5	
NW		2.3	- 4	. 3								3.2	
MMW		1.3										2.3	
VARM													
CALM	\times	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	><	$\geq \!$	$>\!\!<$	>>	28.4	
	16.5	27.7	16.8	10.0		6						120.0	4.4

TOTAL HUMBER OF OBSERVATIONS 310

2010





SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14355 STATION	GLENVIEW. IL			MAY
STATION	STATION MADE		YEARS	MONTH
		ALL WEATHER		12
		CLASS		MOURS (1.5.7.)
		Gamer Tibe		

SPESD (XINTS) DHL	1-8	4-6	7 - 10	11 - 14	17 - 21	22 - 27	20 - 33	24 - 40	41 - 47	49 - 55	≥#	*	MEAN WIND SPEED
М			1.3	1.9	1.9							5.5	13.1
NME	3	2. Ç	2.5	2.9	6							10.3	9 4 3
M		2.9	2.9	3.5	3							9.7	9.
BME .	- 6	3.5	5.8	- 6								10.6	7.3
		3.2										11.3	7.5
		2.6	1.3									5.2	7.0
34	. 3		6									1.0	6.3
200	. 4		. 3									1.3	10.4
	. 3	2.6	1.3						L			441	
SEW	- 6	1.6										9.4	9.4
8W		1.0		1.6	_			3				3.5	
WW	. 1	1.9			ĺ							445	
W	- 1	2.3								Γ.		4.4	- 8.0
WWW		1.6										9.5	104
NW	. 1		2.3									2.9	
MAN												4	9.4
VARRE									Ī				
CALM	$>\!\!<$	$>\!\!<$	\times	\times	$>\!\!<$	$>\!\!<$	\times	\times	> <	\boxtimes	\searrow	1.3	
	4.6	260.8	37.1	24.5	5.2			3				100.0	9.4

TOTAL HUMBER OF GENERATIONS

9800



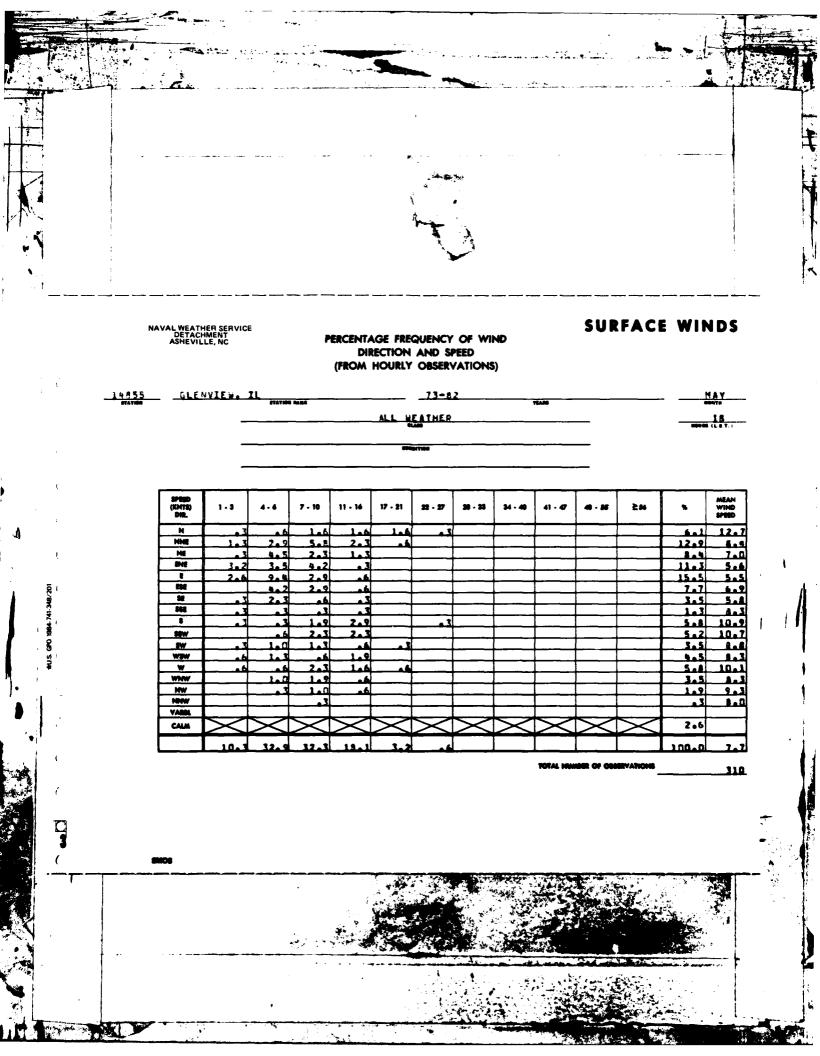
SURFACE WINDS

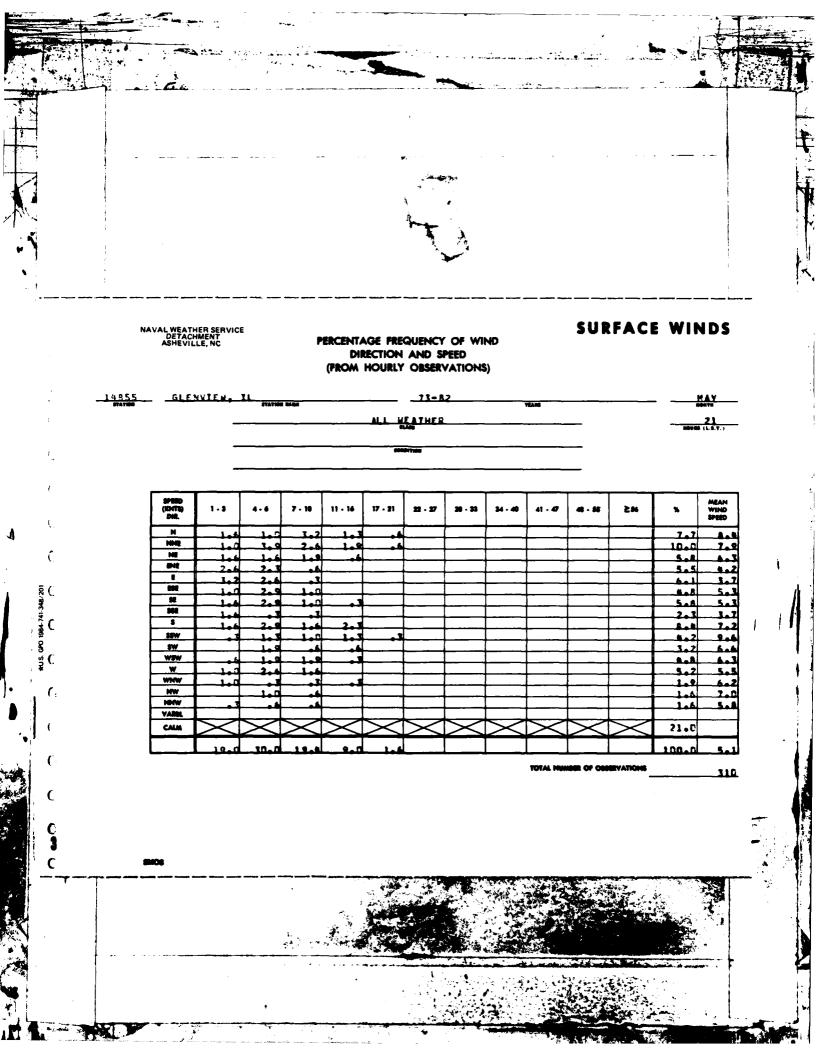
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

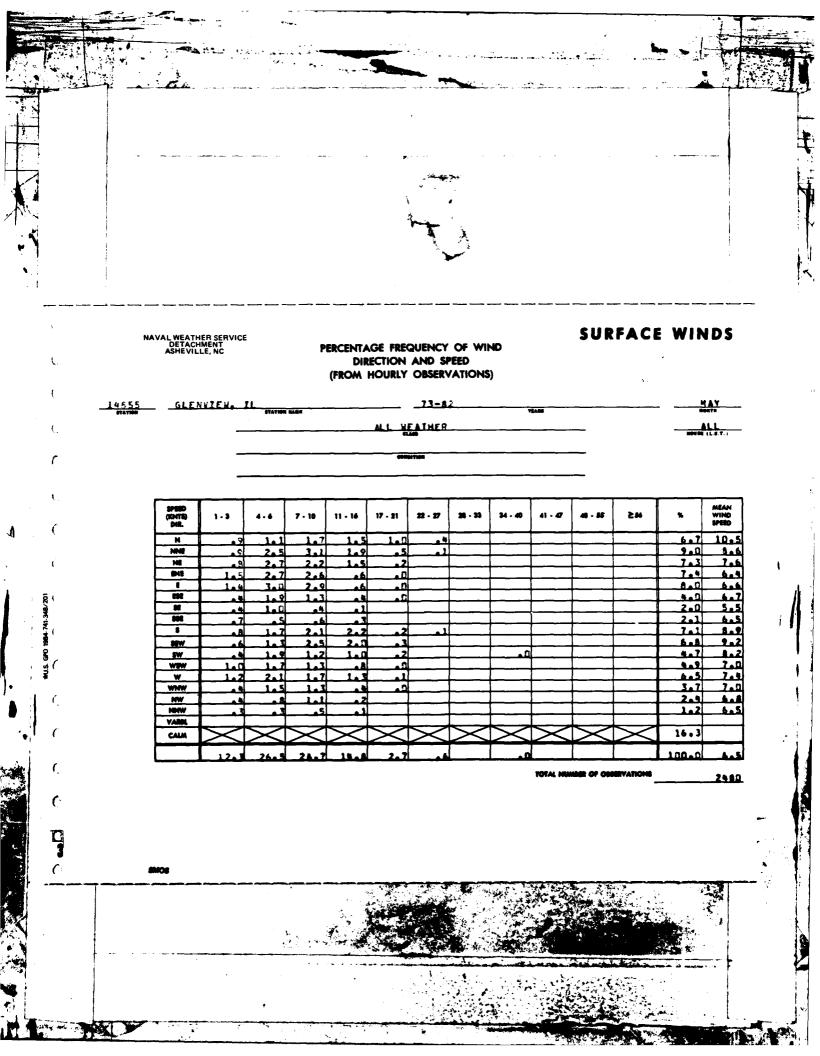
	_				41 4	EATHER						100 h	1.5 • (L.E.T.)
	_				<i>***</i>	0171611				<u> </u>			
SPEED (KNTS) DIR.	1-3	4-4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 - 55	256	*	MEAI WING SPEE
N	. 7	- 4	1.9	1.0	1.4	1.0						4.5	13
MME		1.9		1.4	1.0	7						9.7	
NE		M 2	A . 6	2.9								13.2	
ENE		4.5	6.5									11.3	
E	1.0	2.4	7.4	1.9								12.9	
ESE		1.0	3.9	1.6								6.4	
\$2		- 6	1.0									lab	
SSE												1.9	
	- 3		1.0	3.0	6	1						- 6.1	ىد
\$\$W	- 3			1.6								5.5	5
\$W		-1-6	1.0	1.9	,3								_10
WSW	6	1.0	6	1.3								3.5	
w		1.0	2.3	4.2						_		7.7	_11
WHW	-3									 		3.5	
NW .			-1.6	3				ļ					
NOW			3										
YARR.						<							
CALM		\sim	\sim	<i>></i>	\sim	> <	\sim	\sim	\sim	\sim	\sim	2.3	ĺ

TOTAL HUMBER OF COSSERVATIONS

8M06









SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TAYINI	GLENVIEN, IL STATION MARK		YEARS	- Aliba Marta
		ALL WEATHER		SOURS (L.S.T.)
		CONTROL CONTRO		

SPEED (XMTS) DIR.	1+3	4+4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.3	. 7	7	2.0								4.3	7.5
NNE	1.0	1.3	2.0	. 7								5.0	6.9
NE	₹	2.7	3.0									8.0	لم ف
74	1.0	1.3	~7	. 3								3.3	لمظ
E	- 1	1. 1										2.5	90
ESE	- 1											3	3.4
\$4	<u> </u>		1.0									1.7	6.5
398	7	. 7										1.3	3.1
\$	1.0	2.0		7								6.0	7.
SSW	7	7. 7	2.0	1.7								8.0	7.
sw	1.0	2.0										5.7	6.1
WSW		7. 1	1.7									5.7	5.4
w	, ,	7. 1	2.0									7.0	5.0
WNW		1.0	1.3									3.7	5.0
NW			. 7						1	1		2.0	5.
HHW	, ,	1.0		. 1								2.7	.5.4
YARRI												1	
CALM	\searrow	\times	\searrow	\mathbb{X}	\times		$\supset <$	> <	> <	$\supset \subset$	\times	35 . 3	
	13.7	25.0	19.3	4.7								100-0	4

TOTAL NUMBER OF COSSEVATIONS

320

SMOS

NAVAL WEATHER SERVICE DETACHMENT

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14655	GLENVIER, IL STATION HABE	/3 = 82 YEARS	JUN MONTH
		ALL WEATHER	HOURS (L.S.T.)
		COMBITAN	

SPEED (KNTS) DIR.	1-3	4-4	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	46 - 85	≥56	*	MEAN WIND SPEED
N	1.3	1.3	1.3	1.7								5.3	7.0
MME	3	2.0	1.7	1.0	3							5.3	8.4
NE	1.7		7									2.3	9.4
ENE	. 7		. 7									1.3	5.1
£		1.1										1.0	4.
ESE	7	3							I	Ī		1.0	3.0
84	. 7											7	3.0
55E	1.3	1.7	. 3	3								3.3	6.0
8	1.7	3.3	1.7									7.0	5.4
\$\$W	1.7	3.0	2.3	1.3								8.3	6.5
SW	1.7	4.7	2.3	. 3								9 a C	5.8
WSW	1.7	3.3	- 7	3								6.3	4.
w	1.7	1.7	2.0									5.7	5.5
WNW	2.5	1.7	7									4.3	- 9 4
NW		. 7	.7									1.3	E a
NNW	. 7	. 3	. 7		. 3							2.0	7.
YARN									Ī				
CALM	\times	$>\!\!<$	\times	$>\!\!<$	\times	> <	$\supset \subset$	\times	\boxtimes	$\supset <$	\times	36.0	
	16.7	25.3	15.7	5.7	. 7							100.0	

TOTAL NUMBER OF OSSERVATIONS

300

-



SURFACE WINDS

TOTAL NUMBER OF OSSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	-				<u> </u>	EATHER						1900 Rd	CA.
	_					1817100							
SPEED (KNTS) DIR.	1-3	4-4	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEEC
N	2.5	1.7	1.3	. 7								5.7	5
NNE	1.5	2.0	1.7	7								5.3	6
NE		1.0	. 7	. 7								2.3	a
ENE	- 7	1.0	. 7									2 a C	5
	. 7	1.8										2.0	
ese		. 7	1.3	. 1								2 3	- 1
36		1.7										1.7	
SSE	7	1.0	7									2.0	
3	1.7	7. 7	7 7	. 1								7.0	
SSW	1.3	b . 8	4 1	1.3								11.3	
SW		- 3 - 2	2.3	7						\Box		5.7	
W\$W	1.7	5.7	2.3									9.0	5
w	2.0	4.7	2.7									9.7	5
WNW	1.0	7	1.0									2.7	- 5
NW	7	1.7	. 3									2.3	
NNW		1.7	- 1		. 1							2.7	6
VARBL													
CALM	$\overline{\mathbf{X}}$	$\overline{\mathbf{x}}$	$\overline{}$	$\overline{\mathbf{x}}$	$\overline{\mathbf{x}}$	\sim	$\overline{\times}$	$\overline{}$	$\overline{}$		$\overline{}$	75.3	

MOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

-	SLE	"ILEW.	I L.	RABE			73-2	2	,	YEARS				بائز ق ¥onte
		-				ALL Y	EATHER		 -				HOUR	<u></u>
						Ola	MTSON				_			
Γ	SPEED (KNTS) DIR.	1.3	4.4	7 - 10	77 - 76	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 54	%	MEAN WIND SPEED
_ ⊢	N	1.3	1.0	2.7	- 7		. 3						6.0	7.8
_ <u> </u> _	NNE		2.0	4.7	2.0								8.7	3.7
_	NE	1.0	2. ?	1.0	. 3								5.0	5.9
	BHE	1.0	1.3	1.3	1.0								4.7	
┢		7	1.0	. 3	. 3								2.3	5.6
	283			2.3	3								3.0	
Г	SE		1.3	1.3	. 7								3.7	6.8
Г	388	. 7	1.0	3	. 3								2.3	
Г	\$. 3	2.7	3.3	7								7.0	7.6
Г	55W			6.3	2.3					L			10.7	8.9
Г	5W	_ 3	3.3	1.3	2.0						L		7.0	7.8
	WSW	. 3	3.0	4.0	3.0		<u> </u>			L			10.3	2.4
L	w	1.7		5.2	1.7					<u> </u>			12.0	
	WHW		1.7	2.0		3				<u> </u>			5.0	9.3
L	NW		1.0	1.3			<u></u> ,						2.3	6.6
L	HHW			1.7			<u> </u>			<u> </u>			2.3	7.4
	VARSL						<u> </u>							
	CALM	$\geq \leq$	\times	\times	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\simeq	7.7	
		7 I					ſ	í	ſ	i	1			

TOTAL NUMBER OF OBSERVATIONS

300

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BTATION	STATION NAME	73-87	YEARS	MONTH.
-147 mm		44	154115	1.7
		SLASS SLASS		HOURS (L S T
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 . 77	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N		7	. 7	2.3								3.7	10.9
NNE		7	2.7	1.7								5.7	10-0
NE		1 3	4.7	2.5								Sau	2.5
ENE	7	3.7	2.3	1.3								7.7	7.8
E	1.3	3.7	5.4	7								11.7	1.0
ESE		7										3.7	5.6
SE	7		1.0	7								2.7	8.1
SSE		. 7	1.5	7								2.3	9.6
8	,	. 1.7	7.1	2.5	3							7.7	9 . 1
SSW		2 - 3	3 - 7	2.7								9.4	9 . 8
SW			3.0	2.3								٤. و	10.6
wsw	7	2. 3	7.3	2.7								8.7	9.
w	_1.3	3.7	5.7	3.3								14.0	
WWW		2.0	. 7	3.0								6.0	9.1
NW		1 - 3		. 7								2.5	B.
NNW		. 7	. 7									1.7	3.6
VARM													
CALM	\times	\times	\times	\times	\times	\times	> <	> <	> <	$\geq <$	><	1.3	
	44.7	25.5	40.1	25.8	1.0	. 7						100.0	R.

TAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_		ALL WEATHER										
	_				con	DITION							
SPEED (KNTS) OIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		. 7	1.3	1.3	. 7			<u> </u>	1			4.0	11.
NNE		1.5	3.3	2.0	. 3							7.42	
NE	•	3.2	3.7	1.3	3							9.0	8.
BNE		3.0	4.7	1.3				·				9.3	7.
		3.0	7.0	. 7								10.7	7.
ESE		2	4	. 3								4.7	8.
\$4		7	1.7									2.7	7.
354		. 7	1.7									2.3	٩.
		2.3	1.3	2.7	3							6.3	10.
85W		1.0	3.0	3.3						I I		7.7	9.
\$W	. 7	2.0	2.3	2.7	_ 3							7.7	9.
W\$W		7.3	1.7	1.7								5.7	8.
w	7	2.5	4.7	4.3	. 7							12.3	9.
WNW	7	1.0	2.3	1.7		. 3						5.7	10.
NW	3		. 3	3								1.0	
NNW		7	1.0	. 3								1.7	8.

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14.455	G1 F1 VIFW. IA		YEARS	A LIPE
		ALL WEATHER		18
		COMPLYION		

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	7	3	. 1.3	2.1								1.0	10.
NNE	7	1.3	4.3	2.7	3							9.3	
NE	1.0	2.7	2.0	1.0								6.7	
ENE	1.3	5.0	3.0	3				<u> </u>				9.7	
E	7	7.7	7.0						L			11.3	
282	7	3.0	3					<u> </u>				7.7	
SE		1.7	1.7									3.3	
\$\$8		7	1.7				L					2.3	
\$		1.3	3.7	1.3						L		6.7	8
SSW		1.3	3.0	1.7								6.0	9
SW		7	1.7	1.7								9.0	_ 3
W\$W	3	2.5	1.7	1.1			L	L				5.3	
w	1.5	7.0	5 D	2.3	- 3							11.5	A
WNW	1.5	1.3	2.3	1.0								5.7	
NW		1.0	7		- 3		L					2.3	_ 7
NHW		3	7							L		تمد	
VARBL													
CALM	\times	$>\!\!<$	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	\geq	$>\!\!<$	$>\!\!<$	$>\!\!<$	>>	3.3	
	5.0	32. 5	39.3	16.0	-1-0							100.0	7

TOTAL NUMBER OF OSSERVATIONS

-

SURFACE WINDS

14º55	SLENNIEW. IL STATION MARK	73-82	YEARS JUN
		ALL MEATHER	HOVES (LET.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
н	. 7	2.7	2.7	1.3								7.0	7.
NNE	1.7	3.7	1.3	1.5							l	7.3	5.6
NE	. 7	2.0	1.7									4 a Li	5.
THE	3.0	1.7	1.3	_ 3								4.3	5.1
	2.3	1.6	3									3.7	3.5
388	2.5	1.3		.7								4.3	5.3
84	1.7	. 1.3										3.0	3.0
866	7	1.0	3									2.2	لماق
8	107	4.0	2.0	17								9.3	6.0
SOW	. 7	2.7	2.7	7								6.7	7.1
\$W	7	1.5		7								5.3	7.
WEW	2.0	1.2	1.0									4.3	4 .
w	7	5.0	2.3	7								2.3	5.4
WHW	_ 7	3										1.0	3.1
NW		- 1	. 3									1.0	6.
NWW		. 7										1.0	5.0
VARM													
CALM	$>\!\!<$	\times	\times	><	$\geq <$	\boxtimes	\times	\boxtimes	\boxtimes	><	$>\!\!<$	27.7	
	17.0	30 - 7	18.0	5.7								100.0	1.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 k 2 5 5 STATION	SLONGIEN, IL STATION HARE		YEAGS	
		ALL SEATHER		nounc (CE v)
		COMPLYTON		

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 85	≥\$6	*	MEAN WIND SPEED
N	P.	الما	1.4	1.5		.0		I				5.0	4.4
MME	7	1.8	2.7	1.5	1							6.7	
NE		2.0	1.9	7	ď							5.2	7.
ENE	a	2.1	1.8		-							5.3	- 00
	F	2.5	2.2	2								5.6	6.1
ESE	- 5		1.6	. 2								2.1	6.0
SE	. 5	. 3										2.6	. 6.2
868		- 0	. 7	. 2								2.3	6.4
8		2.5	2.7	1 - 2	1							7.4	7.4
55W		2.6	2.4	1.0		- 0						4.5	
\$W	e	2.2	2.3									6.3	7.1
WSW		2.9	2.0	1.1								4.9	Zaf
w	3 3	7. 7	7.7	1.7	. 2							10.0	7.6
WWW	. 0	1.2	1.3		n							9.3	7.
NW										1		1.5	- 606
New												1.9	- 60
VARM												1	
CALM	\times	$>\!\!<$	\times	$>\!\!<$	\times	\times	> <	\times	\times	\boxtimes	> <	17.4	
	10.5	28. 8	29.4	11.0		2						150-0	4 . 1

TOTAL NUMBER OF COSSEVATIONS

_2399

8000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_				HT A	EATHER		-				MOVE	<u>D0</u>
	- -				Ç	19171011							
SPEED (KNTS) DIR.	1 - 3	4-4	7 - 10	11 - 16	17 - 21	2 · 27	20 - 33	34 - 40	41 - 47	40 - 55	24	%	MEAN WIND SPEED
N	1.5	1.9	6	.6								4.8	5.
NNE	1.5	1.3	1.3									1.2	
NE	- 6		£									1.3	
ENE			3	3								1.3	
i .	1.5	. 6	. 3									1.9	
ENE	. 3	. 6					[1.6	
\$42	- 6							I	I			1.3	
592	106	3										2.3	
	1.5			3								5.2	
88W	1.0	3.9	2.3	1.0								9.7	
\$W	2.3	1.9	2.3									6.5	
WW	2.6	2.6	1.0	. 6								6.8	
	lati	4.5	1.9									8.1	5.
WWW	3	1.3					l					1.6	3.
WW	6	2.3										2.9	
New	1.3											1.9	
WARE						1		I	T				

30MB

#U.S. GPO 1984.741.348/201

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	CLE SUITE 11 STATION HAME	73 = 82 YEARS	- Aberta
		FATHER THE	NOVEM (L.E.T.)
		MENT TOOK	

SPEND (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	4 - 55	≥#	%	MEAN WIND SPEED
Н		1.9	1.0	6						l		5.2	60
NME		1.7	1.6	3		l		<u> </u>	<u> </u>				7.1
ME				á								2.3	7.4
EME	*	- 6	3	3								1.6	1.
		*	3									6	6.5
ese		- 6	- 6									2.3	5.
92													
SSE	. 1												
3		2-6		7								3.9	
SSW	1.5	3- 6	2.0			Ι	I					. 8.1	
SW	1.3	2.6	1.4			I					L	5.8	6.0
WSW	2.6	2. 1	2.9								I	8.1	6.
w	1 - 6	1.0	2.6								L	8.8	
WHW	1.4											2.3	3.9
NW	1 - 2	1.0										2.3	
MM	7.3											3.2	
VARIOL													
CALM	\times	$>\!\!<$	\times	\times	\times	$\supset <$	>>	><	\times	> <	$\geq <$	43.7	
	14.2	20- 7	16.5	4.9			I		Í			100-0	3.

TOTAL NUMBER OF OBSERVATIONS

9M04

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WLE YY	IEW.	I L	-			_73-A	2		PEARS				111
	-				ALL	EATHER						-	40
	_					ustrida				-			
SPEND (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 86	2 86	*	MEAN WIND SPEED
N	2.5	2.6	1.3	1.3	43					f	f	3.9	1.
MME		1.5	1.6	. 3								3.5	7.
NE	1.5	. 6	1.0	4.3						i		3.9	5.
BNE		- 6	1.07	. 3						1		2.3	7.
•	- 3	- 3			. 3							1.6	8.0
eti		. 7	- 3										7.
St		- 3	- 6		1							1.3	
89d	. 1	. 3		- 3								1.0	
•	2.9	3.9	1.3									Aal	4.
38W	-1.3	1.6	1.3									9.2	5.
5W	- 6	3.9	1.3									5.1	5.0
WW	1.0	2.6	2.6	3								6.5	
w	2.9	5.5	2.9	3								11.6	- 30
WWW	1.3	6	1.0									2.0	5.
NW	1.6		1.5									3.2	
MW		1.9						L				1.9	5.
VARBL													
CALM					$\overline{}$				$\overline{}$	$\overline{}$		12.9	

TOTAL NUMBER OF GESTRYATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (ENTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	4 - 35	≥#	*
N		1.3	1.0	1.4								1.9
MME		2.8	7.0	1.6								7.7
NE		3.2	2.0	1.3								
BME .	3.6	2.4	2.6	1.0								1
· ·		1.3		- 3								3.2
191		1.3		3								2.1
98												وما
202	3		1.3									2.4
\$	وما	2.0	1.0									7.4
SEW	4	3.2	3.2									7.1
\$W			1.5	1.0								10.0
WW	1.4	2.9	2.6									7.7
w	146	A 5	3.2	2.9								12.1
WHW	1.0	1.0	1.3		<u> </u>				L			4.5
HW	1.0		2.3									3.5
MAM		1.9							_	T 1		2.5

TOTAL NUMBER OF GESSEVATIONS

MICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

747100	. <u> </u>	<u> </u>	STATIO	HAME			<u> 1328</u>	-		PLANS				ONTH	
		_				ALL A	ATHER						- uevēl	12	
		_	- CHANTING												
	SPESD (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	21 - 27	20 - 25	34 - 46	41 - 47	48 - 56	≥#	*	MEAP WING SPEEC	
	N		. 3	2.6	- 6								3.9		
	NHE		1.3	. 3.2	1.6	3							6.5	9	
	NE	- 3	2.6	9.2	1.6								2.4		
	BHE .	1.3	2.6	4.5	6								9.1	6	
			4.5	A 45									12.0	6	
	100			1.3	3								2.3	7	
	\$4												1.0		
	801	1		a E									1.3	6	
1	•	1.3	1.9	3.9	1.0								8.1	7	
	SEW		109	3.6	1.6								7.1		
	aw.		3	5.2	1.6					<u> </u>			7.9		
	WEW		تعت	3.6	1_3	3							7.1	1	
	w	106	3.2	9.5	2.3								12.0		
	WWW	3.	1.3	2.3	6					Ļ	↓		909	1	
	HW		6								└		2.3	1	
	MMW	3	1.3	1.9	3			L			ļ		3.9	1	
	YARK														
	CALM	\boxtimes	\times	\times	\times	\times	\boxtimes	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	1.0		
		7.4	25.2	48.5	19.9	ومد		<u> </u>			11		100.0	1	

TOTAL NUMBER OF GESTRYATIONS

709

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14355 STATION	STENSTEN, IL STATION HARE	71-82	EAST CONTR.
	<u> </u>	ALL MEATHER	1 S HOURS (L S T :
	 	COMENTANI	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N_			. 3	- 6								1.6	9.2
NNE		6	4.5	4.4								10.4	11.0
NE	7	1.0	5.E		3			<u> </u>				201	
DAE .	1.0	6.5	4.5							L		12.6	6.5
	3	4.2	7.1	1.3								12.5	7.4
ESE	1 7	1.6	2.9						I			6.5	4.4
SE		. 6	1.0									lat	4.6
\$92				. 3								1.0	10.3
8		1.2	7.0	. 3					Ι΄ ΄			أتمك	7.1
38W		1.3	3.5	2.3								7.1	9.4
SW		. 6	2.6	1.9	- 4							5.5	10.3
WW	- 6	7.9	2.4	1.3								7.7	7.4
w	1	2. 9	1.2	1.9								9.7	9.4
WWW		1.7	1.6		. 7							3.5	9.3
NW	. 3	1.0	- 7									1.3	7.3
MW		1.0	1.0		-							2.3	3.5
VARBL	-								 			1	
CALM	\times	\times	\times	\times	\times	>>	\times	\supset	> <	$\supset \subset$	>>	1.9	
	. A . 5	27.7	44.5	17.4	7.9							100.0	

TOTAL NUMBER OF OSSERVATIONS

310

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 355 STATION	GLENGIEW. IL	73-82 YEARS	- JUL
31A11 A1		ALL MEATHER	1.8
		CLAM	HOURS (L S T)
		CORDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 3		2.6	1.3				. 3				4.8	11.1
MME	1.0	3.4	9.2	1.3	. 3				l			10.3	7.1
NE	. 3	3.9	2.5	1.0					<u> </u>			7.7	7.1
EME	1.0	4.2	3.9	. 3								10.0	6
	2.3	7.4	3.5					L				13.2	5.3
686		4.2	1.0									5.5	5.4
28	3	3.5	1.6									5.5	5.5
38E	3	1.3	3									1.9	5
\$. 6	1.6			.3		l	l				5.2	6.4
\$5W		6		3								3.2	9.
sw		2.9	3.9	1.0								7.7	7.5
WW	1.03	2 - 3	3.2	1.3					L		Ĭ	7.7	7 a !
w	1.3	2.6	1.6	1.5								6.5	6.4
WHW	3	2.3	- 6									9.2	
NW	. 3	1.6	1.0	3						I		3.2	6.
NNW			6				1					1.5	13.4
VARM													
CALM	$>\!\!<$	> <	\times	\times	$\supset \subset$	>>	$\supset <$	$\supset <$	><	$>\!\!<$	$\supset <$	1.6	
	10.0	43.5	35.5	8 - 1			.3	.3				100.0	4.4

TOTAL NUMBER OF OSSERVATIONS

310

SMOG

SURFACE WINDS

STATION	CLE STATION HABE	73-82 YEARS	HONTH
		HE ATHER	NOURS (L.S.Y.)
		CONSTINU	

SPEED (KNTS) DIR,	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
×	1.2	1.3	3									3.0	
NNE	1.7	2.3	1_1	1.3								6.1	
NE	3.0	2.4	1.6	- 3								5.5	
ENE	106	1.0										3.2	5
E	2.6	1.3	- 6							1		4.5	3
ESE	1.5											2.3	3
SE	3.3	1.0	- 3						1			2.3	
SSE		- 6	. 3							11		1.6	
\$	2.,	2 0	7 . A									7.1	
SSW	2.8	1.2	7.9							 		Rau	
SW	2.0	2.6	2.3							 		7.7	-
WSW	1.0	1 3	1 3						<u> </u>	 		5.2	<u>\$</u> ,
w		1.0		- 6						 		3.2	
WNW	1 1		7							 		1.9	
HW		1.0							 	 		1.7	بغ
NNW		-	. 2	7						 		1.3	بو
VARM										 		1	_10.
CALM	\times	> <	$>\!\!<$	> <	\times	\times	\times	>>	\sim		> <	35.2	
	22.9	25.2	13.9	2.9								100.0	3.

SURFACE WINDS

T AL 1 S.E.	STATEM STATEM MARK	71 = 27 YEARS	JUL
		PLL WEATHER	HOURS (L S T
		Owerson	

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥54	*	MEAN WIND SPEED
N		1.3	1.3	C)				0				4.5	7.1
HHE	6	1.0	2.7	1.3	2							6.5	3.1
NE	7	1.5	2.4	7	1							5.8	7.4
ENE	1.3	2.3	2.2	4								6.3	6.5
1	1.1	2.5	2.5	2								6.3	ا و ف
ese	- 6	1.3	9	2								2.9	5.5
38	- 4	9										1.9	5.6
SSE	4	- 3	. 4									1.5	5.6
3	1.4	2.3	2.2	3								5.3	6.0
SSW	ÿ	2.4	2.8	8								6.7	7.5
sw	9	2.5	2.5	p	- 1							7.1	7.1
WSW	1.5	2.3	2.5	7	1							7.1	Est
*	د م د	3.4	2.5	1.2	2							3.5	6.5
WNW		1.3	9	. 3								3 - 2	6.1
NW	- 5	1.3	. 7		- 0							2.5	5.3
WW	- 6	1.0	5	- 1			. 3					2.3	50.7
VARBL													
CALM	><	> <	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	$>\!\!<$	\times	\times	\boxtimes	> <	20.3	
	13.7	28.7	27.9	8.4	. 0		-0	.0				100.0	5.4

SURFACE WINDS

14.55	18591642 10	73-97	- <u>1</u> .4↑
STATION	STATION MAME	PARY	S MORTE
		SEL MEATHER	<u></u>
		CLASS	MOURS (L S T
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.0	1.6	1.0									4.2	4.5
HME		1.5	1.9									2.3	7.45
NE	•	1.7	£	à٠							Ĭ	3.2	عظ
ENE		1.6										2.3	5.4.3
E		11										3.2	4.1
ESE	1											1.3	3 . 5
SE		7	. 3									4.5	5.6
\$\$E	र	1.0	- 3									1.5	5.0
8	7.5	7.3	2.4									2.7	5.1
\$5W	7	Wa 2	2.5	1.6								0.7	7.6
SW	7 7	2.6	1.0	- 6								6.5	5.4
wsw	1.4	3.2	. 4	- 3								5.3	5.4
w	2 - 12	1.3	. A									4.5	4.0
WNW		1.9	1.0	. 7								3.9	5.4.3
NW	. 1	- 4										1.0	
WWW		1 - 6										1.5	9 . 5
VARBL													
CALM	\times	> <	\times	\times	> <	$>\!\!<$	\times	\geq	\times	\times	><	40.7	
	1102	27.1	13.2	3.5	. 7							130.0	3.4

SURFACE WINDS

19 55	NEST SIEW. IL	73-82		€ن∡
STATION	STATION MADE		YEARS	MONTH
		TEL WEATHER		21
		SLASS.		HOURS (L S T
		C9(1817)04		

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	•	MEAN WIND SPEED
N	1.7	1.9	• ć									3.c	4.9
NNE		.						İ				1.0	5.1
NE			1.0	. 3								1.2	7.1
ENE		. 3	• 3	3		I						1.5	6.3
ı	ė	- 3	- 3									1.5	4.5
ESE	4	1.0		. 3								1.7	5 . 5
H	ž	e to	4 4									1.3	5.0
\$52			. 3									1.2	9 .0
8	4.8	2.9							I			8 . 4	3.8
SSW	2.9	3.9	2.6	1.0								10.3	6.1
sw	1 . 3	3.9	1.0						1			7.1	Sal
WSW	2.0	1.7	- 6									5.8	9 . 4
w	3.4	1.3	. 5									3.2	4.4
WNW	7.4	1.3	. 3									9.8	3.7
NW		2.3	. 3	. 3								3.5	5 . 5
MMW	1.9	1.3	<u>.</u> 3									3.5	3.4
VARSL													
CALM	\times	\times	\times	\times	$\ge $	\times	\times	\times	$>\!\!<$	\searrow	\times	79.4	
	22.3	24.5	10.6	2.6					}			100.0	3.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		•••••											
	_				<u> </u>	EATHER						NOV E	8.0
	-				tie	ISITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 23	34 - 40	41 - 47	49 - 55	≥56	*	ME. WII SPE
N		1 - 7	. 3									2.3	
SNN	.,	. 3	5	3								1.9	
NE	1.2	1.3	1.3	- 6								3.9	
ENE		1.0	- 5	. 7							_	2.3	
	1		7									1.3	
ese	1 - 7		1.5								{	1.8	
SE													
352		1.0	. 7									1.3	
\$	6.2	2.9	1.6	-								9.0	L
\$5W	1_9	4.2	2.6	6								9.4	
SW	1.4	1.5	2.1		,							5.5	
WSW	1.8	2.9	1.6				I					8.5	
w	2.3	3.7						Ĺ				5.6	
WWW		1.9									L	2.6	
WW	1.3	late	- 6				L					3.5	
MW		3.2		3								5.2	
VARM													L
CALM	$\triangleright <$	\times	$\supset \subset$	$>\!\!<$	$\geq <$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	><	$\geq \leq$	35 . 5	
								I		· -	_		-

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-55	SEZMVIEW, IL	73+A2	AU®
STATION	STATION NAME	TEAMS	10 mg m T m
		ALL WEATHER	£3
		CLASS	MOURS (LST)
		(Qualified)	_

SPEED (ENTS) DIR.	1-3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥#	•	MEAN WIND SPEED
N		2.9	2.6									5.2	6.1
MME		1.4	1.3	1.5								3.9	8.
NE	-	1.6	3.5	1.7								5.8	ر م هـ
7	3	1.6	1.3									3.2	6.
	1.3	3.5	2.3	1.0								7.7	7.1
323			a b									1.7	5.1
SE	. 3	. 6		. 3						I		1.3	. 7 . 5
388	ق م	1.5	1.3									3.2	5.1
8	1.0	4.5	2.9	6	3							10.3	6.3
\$5W		3.9	2.6	1.9								9.0	7.4
\$W	ه ف	2.3	9.2	1.3								9.0	7.1
WW	2.3	1.7	. 3.9	1.0								9.0	6 . 5
w	1.5	2.3	1.9	1.6								5.8	7.4
WW	. 6	3.2	1.0	_								5.2	5.5
NW	1.3	1.0	. 6									2.9	9.6
NNW		1.6	. 6									2.9	5.1
VAROL						Ī							
CALM	\times	$>\!\!<$	\times	\times	$>\!\!<$	$\supset <$	$\supset <$	$\supset <$	\bowtie	$\supset <$	$>\!\!<$	11.0	
	12.3	35.5	30.5	13.3								100.0	6_1

OTAL NUMBER OF CREEKVATIONS

SMO

US GPU 1300 /41 346/

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 5 C C	STATION MARK	73-92 YEA	ALG
		AL MEATHER .	12
		CLAM	HOURS (L. S. T.)
		40101710A	 _

SPERD (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	2#	*	MEAN WIND SPEED
N			1.5									1.3	6.0
MME		1.3	2.9	1.6								7.1	7.9
NE		2.0	3 5	1.3								8.7	7.9
ENE		302	3.9		3							9.4	7.4
3		3.0	4.2	6								6.7	7.5
252		1.3	1.3									3.5	4.4
\$£	7	I of	1.3									2.6	6.0
356	1.4			6								1.6	6.0
8	1.07	7.5	3.2	1.3								9.0	7.5
SSW			2.9	3.2								7.1	10.1
5W		2.9	2.9	1.6								Aal	7.8
WSW	- 5	2.9	3.9	1.9								9.5	8.2
w	_ ,	4.7	3.3	3.2								11.6	AAJ
WWW		1.0	1.3									3.2	7.1
NW		1 . 3	1.3									3.5	7.0
MMW			7									- 6	L.C
VARM			-										
CALM	\times	\times	\times	> <	$\geq <$	\times	$\geq \leq$	\geq	\boxtimes	> <	><	4.5	
	6.0	12.1	38.8	17.1								100.0	7.5

TOTAL HUMBER OF CESSERVATIONS 310

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION	STATES AND STATES AND SAME	73~82 YEARS	AUS
		ALL WEATHER	15 nouns (LS Y
		COMPTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥#	*	MEAN WIND SPEED
N		1.3	1.3	1.3								3.5	3.9
NNE			9.2	. 6								5.2	9
NE		1.3	4.5									6.5	8.6
BNE		2.6	6.1	1.6								10.3	P . 3
	L	5.2	8.4									15.2	7.6
888	_	1.5	3.2									4.9	6.5
SE		. 6	2.3									2.9	7.6
38E		. 6										1.6	6.00
3		1.3	3.9	2.6								7.7	9.7
\$\$W	. 10	1.9	3.2									8.4	9.1
sw		2.3	6.6	1.3								8.4	-
ww		1.0	2.9	2.6								7.4	243
w	.6	2.6		1.6								9.7	JA2
WHW	7	1.3										2.9	7.2
NW		1. 1	- 6	1.0								2.9	8.2
HOW		1.0	1.6									1.9	7.5
VARBL													
CALM	$>\!\!<$	\leq	\times	\times	\times	\times	\times	\times	$>\!\!<$	>>	$>\!\!<$	1.6	
	2.3	27.1	. 51.6	17.4								100-0	

TOTAL HUMBER OF GENERATIONS

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PTATION		-	STATE	MARK						-			_	
						-4LL-4	FATHER UND						HOUSE	I (L S V :
		_				- (64	NO CTION							
1									1	······································			· ··	
	SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N			2.3	1.6								5.2	8.3
	NNE	1.3	3.2	3.2	3								7.7	6.7
	NE	- 1	3.5	1.3	1.0				Γ			1	6.1	6.6
	ENE	. 6	4.2	2.3	_ 1.D								8.1	5.6
1		2.4	5.0	1.6								{ I	10.0	4.8
	ESE		58	توا									7.7	5.5
	SE	- 6		- 6										9.09
	352		Lan	i				L					1.6	6.8
	3		2 g	5.2									9.4	7.6
	SSW	1.9	2.9	7.9			<u> </u>				L		5.4	. 1.3
	\$W		2.9	1.9	1.9						L		7.1	هه
	WSW	2.3	2.3	3.2			L		L				8.4	
	W	1.3	4.2	1.6			<u></u>	<u></u>	<u> </u>				7.9	5.7
ı	WNW	7	1.3							<u> </u>			1.6	4.0
	NW		3	1.0				L	<u> </u>	L			غما	649
	NNW			1.3			<u> </u>	L		<u> </u>	<u> </u>		1.6	9.6
	VARBL						L			L				
	4444						$\overline{}$						4.8	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 7 5 5 5 STATION	SLEMVIEW, IL STATES MARK	73-82	YEARS	AUE
	ALL	NEATHER CLASS		21 noves (L 1 7)
		(Description)		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.9	1.7	1.3						1			4 . A	4 .
NNE	I e t	1.6	. 3	3	3							4.2	5.
NE		1.6	1.6									3.2	6.
EME	1.6	2.3		. 1								5.5	5.
-	2.9	1.0	3						I			4.2	3.
202	1 a fe	1.0	. 6	. 3								3.5	4.
312	- 4											1.3	3.
352												1.6	10
8	5.2	3.9	2.6	. 3								11.9	- 4.
SSW	3.5	3.5	1.6	- 6								9.9	5.
\$W	1.5	2.6	2.3	6								6.5	
WW	1.9	1.3	1.3									9.5	5.
*		1.3	.1.0									3.0	5.
WWW													
WW	7							L				1.0	9.0
New	3		6	1								1.3	ă.
VARM													
CALM	\times	$>\!\!<$	\times	$>\!\!<$	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	\times	33.5	
	24.5	23.5	14.8	3.2								100.0	3.

TOTAL NUMBER OF OSSERVATIONS

9000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_					OLYMA						
SFEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	29 - 33	34 - 40	41 - 47	49 - 55	≥54	*
N		1.3	1.2	L								
NNE		143	1.9									4
NE	1	1.3	2.1	. 7	1		L			ļ		5
EME	-	2.2	2.1		0							5
ŧ	1.3	2.7	2.3						L			6
ese	,	1.5	1.0					<u> </u>		L'		
SE			Á									1
\$\$£			5									i
\$	2.5	3.2	2.8					<u></u>			1	9
SSW	1.6	3.1	2.6	1.7			<u> </u>	<u></u>				
sw	1.0	2.7	2.7	1.0				ļ				
W\$W	تمد	2.3	2.3						<u> </u>	<u> </u>		
W	1.4	2.1	1.9									6_
WNW	7	1.6	- 5				<u> </u>					
NW			6	2						ļ		2
NHW	5	1.1		1						<u> </u>		2
VAROL							<u> </u>	<u>. </u>				
CALM		\times	\sim	\times	\sim	\sim	\sim	><	><		><	71

TOTAL NUMBER OF OSSERVATIONS 24 SC

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1845C	CLF'IIEX. IL SYATION MARE	73-42 VEAMS	SEP BONTH
	<u>3</u>	LL YEATHER	HOURS (LET)
		CORPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$\$	*	MEAN WIND SPEED
N		1.2	. 7	3								2.7	5.
NNE		1.3	دمد	3				<u> </u>				3.0	7.
NE		1.3	. 3	1.0					L			2.7	0.
ENE	1.3		1.0	3					L			3.0	5.
ŧ	1.7	7	. 7	3					L	<u></u>		3.3	4 .
ESE		1.0				<u> </u>				<u></u>		1.3	6.1
SE	7	1.0							<u> </u>			1.7	3.
884		7							<u></u>			. 7	4.
8	3.7	. 3.0	2.0	1.0						<u> </u>		10.7	5.1
SSW	. 7	2.7	3.7	7					<u></u>			7.7	7.
\$W	1.5	3.3	1.0				<u> </u>	<u> </u>		1	L	5.3	5.
WW	2.0	2.7	1.0	3			L					6.0	5.
W	3.0	4.3	1.3									8.7	- 9.
WWW	1.3	1.1	7				<u> </u>					3.3	
NW	2.1	3.0	1.3					<u> </u>				7.0	4.0
NWW		2.3	1.7	3		L						5.0	- 5.
VARBL											L		
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	20.3	
	19.3	30 - 3	17.3	4.7								100-0	

TOTAL HUMBER OF CESSERVATIONS 300

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

THAT ST	CLESSIEM II	73-A. YEARS	SFP dents
		ALL LEATHER	E 3
		ODDIT ION	
	<u> </u>		

SPEED (KNTS) DIR.	1-3	4+4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	%	MEAN WIND SPEED
N _	1.7	1.7	. 7						Ī			نام و	3.
NNE	7		1.3				L			L		2.7	6.
NE		1.0	1.5	7								2.7	8
ENE		1.2										1.3	5,
	. 7	. 7										2.3	5.
ESE		1.3										1.07	4
\$£		. 4	. *									• 7	. 8
382	. 7	. 7	. 1									1.7	4
5		7.7	2.3									8.7	5
35W	2.1	3.3	2.7	. 7								9.0	5
sw	1.7	7.1	2.3									7.3	
WSW	1.7	2.3	1.3									5.3	5
w	5.4	2.5	1.0			 						6.7	3
ww	2.5	3.0					<u> </u>	<u> </u>				5.7	4
NW	7.3	24.7	1.3									5.0	5
HHW		2. 7	2.0	. 7				1	†			5.0	
VARIN						†			†	1			
CALM	>>	$>\!\!<$	> <	\mathbb{X}	\times	> <	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	$>\!\!<$	30.7	
	12.1	28.0	18.7	2.7]					130.0	3

TOTAL NUMBER OF OBSERVATIONS

SMOE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	GLCY SIEW . IL	7 3 - 6 2 YEARS	SEP MONTH
	<u></u>	ALL JEATHER	OC HOUSE (LST -
		COMMITTEE	

SPEED (KNTS) DIR.	1 - 3 -	4-4	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	40 - 55	≥\$\$	*	MEAN WIND SPEED
N		1.0	1.	3								3.3	6.
NNE		7	1.3									2.3	6.0
NE		- 3		7								1.7	9.
7		1.0	1.3									2.3	5.
		. 7	7									1.7	5.
389	. 7		7									1.3	5.
SE			7									1.0	5.
888	1.3	1.7										3.0	3.
•	1.7	5.0	1.3	.7								3.7	5.
35W	. 7	2.7	2.7	.7								6.7	7.
SW	1.7	3.0	1.0	. 3								6.0	٠.
WW	7	1.7	2.3									9.7	
w	1.03	3.3	1.3									5.7	5.
WHW	2.7	2.2	. 3									5.3	
NW	2.7	2.7	1.7	. 3								7.3	5_
NW	1.3	2 . 7	1.7									6.0	-
VARIOL												ŀ	
CALM	\times	\times	\times	\times	\times	>>	>>	>>	> <	$\supset <$	> <	13.3	
	1507	28.7	18.3	3.0								100.0	

[]

SURFACE WINDS

1 to 1, 2 to 1	CT 1 TO TE STATION HAVE	71-92	YEAM	SEP MONTH
		ALL AFATHER		HOURS (L.S.T.)
		COMPLYTON		

SPEED (KN7S) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	%	MEAN WIND SPEED
N		1.2	. 2.7	1.3								6.7	8
NNE		1.3	1.3	2.0								نم ک	9
NE	1	1.3	1.3	1.3	3			L				903	
ENE		1.2	1.7	. 7		Γ						3.3	7.
E	17		1.7	7								4.0	b.
£\$E		3	1.3									1.7	7.0
\$£			1.3									2.0	6.1
25E	. 1	1.7	7									2.7	5.5
\$	1.1	2.7	2.3	7				L			1	7.0	6.4
SSW	1.7	6.3	6.7	7								14.3	6.
sw	. 7	2.3	4 7	1.3								3.3	1.1
WSW	2.0	2 . 3	3.7	1.3								E - 1	7.5
w	1.4	3.0	3.5	3						I		7.7	£ a.
WWW	1.7	1.7	3.0	. 7								7.0	_ 6.
NW	. 7	1.7	2.5									9.7	6.4
NHW	1.0	2.3	3.7	. 3								7.3	7.
VARM												I	
CALM	\searrow	> <	> <	> <	> <	\boxtimes	> <	$\supset \subset$	$\geq <$	> <	$\geq <$	5.7	
	12.5	30.3	3C.0	11.7								130.0	

SURFACE WINDS

1-155	CLEAVIEW IL	73-52		SEF
STATION	STATION HAME		YEARS	MONTH
		ALL PEATHER		12
	_	CLASS		HOURS IL S T
		BANKING .		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥ 54	*	MEAN WIND SPEED
N		تعت	7,7	2.3								7.	9,
NNE		1.3	2.7	2.0	. 7							6.3	12.
NE	7	1.7	4.0	1.3	. 3							7.7	
EME		3	1.7	lar								3.3	
E T	. 3	7.6	1.3	2					I			e	
ESE	1.0		? . ?	. 3								3.4	
\$8		1	1.							[i		2.3	7.
55E		1.4	1.7	. 3			i					3.3	7.
\$		3.7	2.7	تمد		3						3.2	3.
35W		1.7	8.)	1.7								11.3	
\$W		_103	2.7	2.7								6.7	9.
WSW		1.3	4 4 7	2.0		3						3.7	9.
W	1.0	4 . 7	4.0	7	3							10.7	6.
WNW	7		3.7	3								5.3	
NW		1 . 3	1.3									2.7	. 7.
HHW	- 4	1.7	2.3	1.0								5.3	8.0
VAROL													
CALM	\times	$>\!\!<$	\times	\times	\times	> <	$>\!\!<$	$\geq <$	\boxtimes	><	$>\!\!<$	3.7	
	5.7	24.7	47.3	17.5	1.3	. 7						100.0	

SURFACE WINDS

STATION	STATION NAME	73-8°	YEARS	#DATH
		ALL WEATHER		HOURS (LS Y
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N			1.7	1.7	7							4.0	11.
NNE		1.7	3.7	1.7	7				L			7.7	9.
NE		4 -	2.3	3.0								9.7	امق
ENE		3.3	3.3									7.7	
£			3.7									1.3	7.4
ESE	7	1	2.2					l				4.3	5.
SE		1.3										1.2	4.
SSE	7	. 3	1.0	. 7								2.0	7.
5		1.	3.3	1.7								E . 7	9.4
SSW	4	2.7	4 -	2.7								9.7	_ 5.
sw		1.3	4.0	1.7		·						7.0	9 . 1
wsw		2. 3	4.1	1.0								7.7	8
w	- 1	2. 7	4 . 3	3.0								10.7	9.
WNW		1.3	3.0	1.0								5.2	5.0
NW		. 7	2.1	1.0								3.7	9 .
NHW		1.0	1.0	. 7								2.2	ε
YARBL													
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	\times	> <	> <	\times	$>\!\!<$	\searrow	> <	1.7	
	5.8	23.7	44.0	20.0	1.7							130.0	8.4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 13	TEST IEST IL	73+82	< <u> </u>
STATION	STATION HAME	YEARS	MOMAN
		ALL MEATHER	18
		CLASS	HOURS (L S T)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 2)	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		2.	, , ,	1.0	7							5.	5.4
NNE	2	1.3	3	1.3								3.0	7.0
NE	-	3.3		. 1.0								5.3	6.3
ENE	1.07	3.7	1.0	7								7.5	5
E		. 2 . 3	7									8.3	3.6
ESE	1	3.3	7									6.3	9.0
SE	1.0	7										2.0	5.0
35E	7	1.3	7									2.7	للمك
5	2.7	2.0	4.3					l				9.7	5.3
35W	1.7	2.7	1.7					[<u> </u>				6.3	5.5
SW	• 7	2 . 3	1.3	. 3				Γ				5.7	5.1
wsw	1.1	1.7	1.3									4.3	5.1
w	1.3	3.1	1.3	1.3				I				6.7	6.1
WNW	1.0	2.3	1.0									4.3	5.3
NW	1.0	2.3	. 7									9	4.7
NNW		2.0	1.3									4.3	6.5
VARBL													
CALM	\times	\times	\times	\times	\times	$>\!\!<$	> <	> <	> <	\times	$\geq <$	9.3	
	23.1	35.3	22.5	5.3	3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

1 & F. F.	CLEP-TE TI STATION HARE		YEARS	SEF
		ALL WEATHER		NOURS (L.S.T.)
		COMPITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	1.3	2.3	1.3									5.0	5.
NNE	1.1		2.3	1.7					ļ			5.7	
NE		1.0	2.5	7				Ĺ	ļ			3-7	. 8
ENE	اتما	1.0	- 3									2.3	
ŧ			3									1.3	5
ESE	7	1.2	, ,									2.7	5.
SE						<u> </u>		<u></u>	<u> </u>				4
SSE		. 3							<u> </u>			7	
5	1 - 3	5. 3	3.	. 7	3							11.7	بغ
\$\$W	3.7	3.8	1.7	7								2 2	<u>.</u>
SW	1 7	2.7	7									4.7	5
WSW	3.0	1.3										3.3	5
w	1.7	3.0	1.3			L			<u> </u>			6.0	4
WNW	2.3	1.3										3.2	
NW	1.2	1.7	_ 7									3.3	
NHW		1.5	1.7									3.0	6
VARBL													
CALM	><	><	\times	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$	><	$>\!\!<$	35.0	
	15.7	20.0	16.3	3.1	. 1							100.0	3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

					COM	DITION .						
	_											
SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	46 - 55	≥34	*
Ŋ		104	3.02		.1							9.
NNE	اذه	101	2.1	1.1	. 2							5.
NE	. 2	1.7	1.0	1.2								4.
ENE		1.5	1.2									3.
E	. 1.1	1.5	1.2						<u> </u>			. 4 .
ESE	. 7	1.6	1.0						<u> </u>			2.
SE	. 2	. 7	. 5							<u></u> i		1.
356		1.0	2	- 1								
\$	1.8	3.4	2.5	. 8								8.
SSW	1 2.2	3.1	3.3	1.1								9.
SW		2.5	2.2	. 8	0							b.
W\$W	تمل	2.0	2.3	6		تم				ļ		6a
W	1.07	3.2	2.2	6	1			<u> </u>		ļ		
WNW	10-4	1.7	1.65						ļ			
NW	1.2	2 ما	1.4	2				↓	_	ļi		4.
NNW		2.0	100	4				 _		ļ		9.
VARSL												
CALM	\sim	\sim	\sim	\sim	\sim	> <	\sim	> <	><	\sim	\sim	18.

TOTAL NUMBER OF OBSERVATIONS

2400

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TAYION	STATEM HATE	77-97	CCT aparts
		ALL MEATHER	20
		CLASS	MOUNE (L S T -
		CERCATTION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥\$4	*	MEAN WIND SPEED
N			1.45									1.9	7.4
NNE		. 1.5	1.3									3.2	7.1
NE			7						L			1.0	8.7
ENE												1.6	5.6
£	1	1.0		3								2.3	5.7
ESE			1.0									1.0	9.3
SE			1.0									1.3	7.1
\$52		1.6	- 3	6								1.9	9.0
8	1.3	3. 2	3.2	1.6	. *							9.7	7.7
SSW	1.8	3.5	2.6	1.6	. 6							9.7	7.4
SW	1.4	1.3	.1.6	1.3								5.8	6.1
W\$W	1.0	2.3	2.6									5.8	6.
w	1.0	3. 2	3.2	1.07								9.4	6.
WNW	7.3	2. 3	1.5	. 1		<u> </u>						7.7	4.0
NW	1.3	1.9	1.3									4.5	5.
NNW		1 - 3	1.9	1.0								3.5	7.
VARBL													
CALM	$\supset \subset$	> <	$\supset \subset$	\mathbb{X}	> <	$\supset \subset$	> <	$\supset <$	$\supset \subset$	$\supset \!\!\!\! <$	\searrow	78.7	
	14.2	23.5	23.9	3.7	1.0							120.0	9.4

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 5 5 5 STATION	GLERVIEW. IL	73-82 YEARS	nct womth
		ALL WEATHER	O 3 HOURS (LST)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		E	1.3	. 3								2.3	کو څ
NNE	- 3	. 6	- 6	1.0								2.6	8.5
NE		- 5	7	6								1.6	9.0
ENE	- 3	1.0										1.3	9.0
£		1.0	1.0					ĺ				1.9	6.3
ESE	1.3	3			- 3							Lat	6.0
SE		. 2										• 3	5.0
888												106	5.4
8	1.5	2.3	3.5	1.3								9.7	7.0
SSW	2.3	4.5	2.9	1.9								12.5	6.5
\$W	1.3	á	1.9	1.0								5.2	8.3
W\$W	6	2 . 3	6									3.9	5.7
*	3.2	2.2	3 . 5	. 6								10.3	6.5
WNW	2.5	1.6	1.9	. 3								6.1	5.5
NW	1.9	2.9	1.0									5.9	4 . 7
NWW	. 6	2.6	3	1.0								4.5	6.7
VARBL													
CALM	\times	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	\times	> <	\times	\boxtimes	\times	\times	28.7	
	17.1	25.5	13.7	8.4	- 4							100.0	4.4

SMOE

MUS. GPO 1984 /41-348/

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 555	STATION NAME	73	OCT ments
		ALL EFRIHER	MOURS (C.S.T.)
		Constition	

SPRED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N			1.3	7								2.3	9.
NNE			100		3							1.5	_114
NE			ه م	- 6								2.6	
ENE								<u></u>				6	<u> </u>
	•											1.3	A
ese			1.0									1.0	9
SE	7		£						l	L		1.5	5
8 9 E	7		£.									1.6	6
	- 8	3.2	2.6	2.3								10.3	7
SSW	2.3	2.6	4 . 5	1.6	3		L	L				11.3	
5W	1.5	lat	1.6						l			5.5	6
WSW	6	2.9	1.6		- 3		<u> </u>	L		l		5.5	6
*	1.9	2.9	1.9	1.3								Bal	6
WNW	1.2	2.3		. 6			L					5.5	5
NW	2.3	2.9	1.3									7.4	5
MMW	1.7	1.3	2.6									Sas	
VARBL													
CALM	$>\!\!<$	> <	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	> <	$\triangleright <$	$>\!\!<$	$\supset\!$	$>\!\!<$	28.4	
	15.3	22.3	23.2	8.7	3.0		<u> </u>					100.0	

TOTAL NUMBER OF OBSERVATIONS

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION	GLENVIEW, IL STATION HARE	73-92 YEARS	<u> </u>
		ALL MEATHER	HOURS (L.S.T.)
	· .	Clustron	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	49 - 55	≥54	%	MEAN WIND SPEED
×		2.3	3.5	1.3								6 . P.	8.
NNE	أذما	1.0		1.3								2.9	7.0
NE	7	3	. 3	3	3							1.6	9.
ENE		. 3	1.0									1.9	9.
t t		E										1.9	5.
ESE	7	1.2	. 3	6								2.3	7.
\$£	3	lai	3	. 3								1.7	6.
\$\$E		laf:	1.0	3								2.3	7.
	1.7	2.3	5.5	1.9	3							11.5	Ba
\$\$W	1.3	4.2		2.3								11.6	7.
\$W	. 6	1.3	5.6	3.5								11.7	8.
WSW	I a	3.5		1.2	3							7.1	8.
w	1.6	1.9	3.9	1.6	3							9.4	7.
WNW	1.5		1.9	1.0								5.5	7.
NW	1.5	2. ?	1.6	1_0								6.5	6.
NHW	1.0	1_3	8.62									7.1	8.
VARBL								L		L			
CALM	\times	$\geq\!$	$>\!\!<$	$\geq \leq$	$\geq <$	$>\!\!<$	$>\!\!<$	$\geq \!$	$\geq \!$	$\geq \!$	\times	7.7	
	10.3	27.1	34.5	19.0	1.7							130.0	7.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HATTAN	SLEMMIER, I	STATION HAME		YEARS		OCT HONTH
		· <u>- · · · · · · · · · · · · · · · · · ·</u>	NI SEATHER			17 HOUSE (187.)
			COMBITION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54	*	MEAN WIND SPEED
N			1.6									2.9	8.
NNE		1.7	2.3	2.3								5.2	9.
NE		1.5	9.2	. 3	. 7							6.5	8.
ENE				. 3								1.3	6.
E		3 - 2										3.9	5.
ESE		1	1.7									2.9	7.4
SE SE		. 6		. 3								1.0	8.
SSE		. 1. 7	1.3	. 3								3.5	7.
\$	2.3	1.7	5.5	2.3		3						12.3	2.
ssw	. /.	1.6	4.5	2.6	1.3							10.3	10.
sw	. 8	2.3	4.2		- 3							11.9	9.
WSW	1.7	1.6	3.5	1.6								7.7	8.
w	14.3	1.4	5.8	2.9	. 3							11.6	9
WHW	A E	l a C	2.6	1.9					ì			6.1	8.
NW	- 6	1.6	2.3	. 6								5.2	7.
MMW		1.3	1.9	. 3								3.5	7.
VARBL									I				
CALM	\times	> <	> <	\times	\times	> <	> <	> <	$\supset \!$	><	> <	2.3	
	7. 1	22.5	42.6	21.6	1.9	. 1						100.5	À

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 L 55	SEFFIZIE A IL STATION HARE	73~82 TEAMS	<u>CCI</u>
		ALL WEATHER	HOURS (L S T)
		OMETING	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N		. 6	1.2	3								2.9	3.5
MME	1.3	1.6	2.9	1.6					l			7.4	7.1
NE	í	2.6	9.5	1.3			<u></u>					9.5	7.8
ENE		1.2	laá	3						<u> </u>		3.C	7.7
•		2.3	1.9						L			4.6	6_1
ESE	ونام	1.3	1.6	1.3				Ĺ				4.5	7.8
8£				3			<u> </u>		<u> </u>			1.1	6.8
252		3		3					<u> </u>			1.9	
8		1.3	4 . 6	3.9		L						10.3	9.6
SSW		1.3	2.3	2.6	1.0				L	L		7.4	13.2
\$W		1.3	3.9	3.2	1.0							9.7	9.5
WSW		4.	3.5	1.0					L			6.6	_8_8
W	1.3	1.0	7.1	3.2					L			13.2	9.1
WNW	خم		1.0	تملي	3						<u></u>	4.5	لمفي
NW		3	7.7	6					<u> </u>			9.5	9.6
MMW		1.3	1.02									4.2	
VARM											Ĺ		
CALM	\times	$\geq \!$	$\geq \leq$	${ >\!\!\!\!>}$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3.7	
	7.7	19.0	99.5	22.3	3.2		<u> </u>		<u> </u>			130.0	

TOTAL NUMBER OF OSSERVATIONS

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_				<u> </u>	EATHER LAM						HOVAS	18
	_				604	101710H		······································					
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME/ WIP SPE
N	4	1.1	2.7	1.3								5.5	
NNE	1.4	لأحد	- 2.5									5.5	
NE	- 1.2	- 5		3	3		ļ		ļ			3.4	
ENE			6									3.2	
ŧ		1.4		3			<u> </u>		ļ			اعمذا	
ESE	3.7			6					L			3.2	
SE .	خم	1.3	5									2.9	
SSE	1.3		t			ļ				├ ──┤		3.2	
			3.0	2.6								12.6	
55W	103			3		-				 		6-1	
\$W	- 3	- 206	2.6						ļ	ļ ļ		200	
WSW	الما		1.0	3				ļ	L			4.5	!
_w			2.6				L			 		8-9	
WNW	 	3.9		3					 	 		5.2	
NW		1.5	1_3				 		 	 		3.2	
NRW						ļ			 	 		1.2	
CALM		>			>		\sim	> <			> <	19.0	
	15.7	28.7	23.9	9.0	.6	1						130.0	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ETATION STATE	GLET MEN.	T L STATION HAME		YEARS	<u> </u>
	-		SEL SEATHER		21 HOURS (LS Y .
	-		CONDITION	<u></u>	

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	29 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N		2	1.7									2.5	5 1
NNE		1.	1.3	1.0								4 5	1
NE	1.0	1.0	3									2.3	4
ENE												1.0	9
	1.5	1.3	د									2.6	
385			7	. 3									12
\$4	3	. 3	6									1.3	ני
388	. 2		4.5	.				Ī				1.6	9
	1.3	3.2	3.5	2.3	1.0							11.3	5
\$5W	a. 5	3.2	3.4									8.7	7
5W	1.2	1.3	3.5	1.3								7.4	
W\$W	1.0	6	1.3									2.9	5
*	2.3	3.5	1.6	1.9								9.4	6
WWW	1.3	1.2	1.3	. 3								4.3	
NW		1.9	3									3.2	
NNW	7	2.3	1.9									4 9	5
VARBL													
CALM	\times	${>\!\!\!<}$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	> <	$\triangleright \!$	><	\times	31.0	
	12.3	22.3	22.4	10.0	1.3							100.0	•

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

15555	A ENTIEV. IL			73-02		0.T
STATION		STATION NAME			YEARS	HONTH
			ALL WEA	THEE		ALL.
			CLASS			HOURS (L S T
			COMPITIO	*		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N			1.0	5								3.4	S.Z
NNE		1.1	1	1.7					<u> </u>			4.4	7.3
NE		1.0	1 4		- 1							3.5	7.5
ENE	7			. 2								1.3	5.4
E		1.5	. 7	. 2								2.7	the C
ESE	15		7		- 2							2.2	7.3
SE			- 4									104	5.4
SSE	- 13		- 5	3								2.3	7.4
5	1	2	4.1	2.3							i	11.5	عمت
\$5W	1.7	3. "	3.5	1.7				L		ļ		9.7	7.9
SW	1.2		7.1	2.1	. 2				<u> </u>			2.3	8.2
W\$W	أذما	1	2.4		1							5.5	7.3
w	تمنا	2.5	3.7	1.8								10.0	7.5
WNW	1.5		1.5	. 7					L	ļ. <u></u> .		5.7	5.4
NW	10.1	2.0	1.5	- 4								5	د من
NHW	انم ا	1.5	1.2	5					<u> </u>			4,6	7.5
VARBL										<u></u>			
CALM	$>\!\!<$	${ \times }$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.7	
	13.3	24.0	29.4	13.5	1.0							100.0	6.0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION HARE	73-67	YEARS	M C V
		SEE STATES		NOVES (LET
		COMPLITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.3	7		3							4	7.9
NNE				7								2.3	10.0
NE			7									1.0	
ENE	• 1											2.	7 • 5
ı.		• 7	1.7									2.3	9 . 3
ESE			7									1.2	3 • €
25			1.									1.3	2.8
SSE		1.0			7							1.7	8.0
\$	تعنا	3.0	2.3	1.7	. 7							9	9.7
\$5W		2.7	4 . 3	_1.3	1.0							15.0	t • £
\$W	1.7	4.0	2	7								€ - 3	4.0
wsw	E	1.	3.0	2.3								7.	9.2
*		4.5	2.3	2.3								11.7	7.2
WWW	1.2	1.7	. 7	1.0								5.0	6.3
NW		3.7	4.7	1.0								9.5	7.7
MMM		1.7	3.40	1.3								6.3	7.6
YARSL													
CALM	><	> <	><	> <	\times	> <	$>\!\!<$	><	> <	\searrow	><	18.7	
	13.0	22.2	27.0	13.7	3.0	. *						130.0	5.4

TOTAL NUMBER OF DESERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MARKE TYPE TO THE TOTAL TOTA

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	•	2.3	. 7	. 3								3.7	. 5
NNE			1.0									2.3	
NE												1.5	. 7
ENE	ĬĬ	1.2	ذ م									1.7	t
Ē			1	. 7								3.5	4
ESE		. 7	1.7									2	?
SE				. 7	3								12
SSE												7	5
\$		7	7 منا	7								8.7	6
SSW	1			2.0								10.3	7
sw	2.0	2.0	2.7	1.3								5.3	<u>.</u>
wsw	1.7	1.3	7			,						7	7
w		تميا	4 3	2.0								11.7	7
WNW	1.7	3.0	1	. 7								6.3	S
NW	1.1	3.3	7	1.7								7.5	į.
NHW	1.1	1.7	2.2	7								7.0	7
VARBL													
CALM	$\supset \subset$	><	><	> <	> <	><	$>\!\!<$	> <	> <	><	> <	19.7	
	1143	27.3	28.7	12.0								100.0	. 5

TOTAL NUMBER OF OBSERVATIONS

SMO

#US GPO 1984 741 348

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 3 -	ata alfa. It	72-22		NEW
STATION	STATION HAME		YEARS	афя ти
		ALL SEATRIC		. 36
		CLASS		NOURS (L S T
		CONSTRICT		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.0	,	. 7								3.7	5 • 3
NNE						[Ľ				. 7	Z.D
NE			1.0			<u> </u>				<u> </u>		1.	7 . 3
ENE			1.	1.5		[L				3.7	13.1
E		1	1.7	. 3						L		3	7.8
ESE		. 7	,	3						<u> </u>		1.3	7.5
SE		7										7	5.0
SSE			1.						L			1.5	7.0
\$	1.7	3.0	3.7	1.3						L		5.7	7.0
\$5W	1.7	.2.7	3.0	1.7					<u> </u>			9.0	7.3
sw	1. 7	3.7	2.2	2.0	3	3						10.5	7.9
wsw	1.7		1.7	. 3				L		L		6.7	5.0
w		4 . 3	F. C	لنمل								11.0	7.4
WWW		2.3	2.3	. 7								5.0	6.5
NW	1	7.3	7.7	7	3							6.7	1.3
NNW		1.5	1.3	1.0								3.7	5.1
VARBL									L				
CALM	$\geq \leq$	\ge	\times	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	20.7	
	11.3	27.3	26.7	11.0	. ,	3				<u> </u>		130-5	5.8

TOTAL NUMBER OF OSSERVATIONS

SMO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	Elileu,	IL STATION	M NAME			_13=3	2		YEARS				NC V
	-				ALL Y	EATHES	_					NOV RS	<u>76</u>
	-				Ć.	IDITION			····	_			
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	<u> </u>											1.5	
NNE		1.7	. 7	1.0					I			7 ه ذ	7.
NE		. 3	7	. 3								1.3	مد
ENE		. ,	1.0	7				Ĩ				2.3	3
ŧ		1.7	1.5	. 3								3.0	5.
ESE	- T	. 7	. ?			I						1.3	
SE				. 7								1.0	10.
SSE			7.0									3.2	7.
S		, ,	4.7	2.0		l						2.0	3.
SSW		2.7	4	2.3	3							10.0	
sw		2.0	4.7	7						\sqcup		7.3	7.
WSW		2.7	4.7									9.3	7.
w	نمنا	3.3	507	4.3						L		15.0	
WNW	<u> </u>	1.1	2	1.7					ļ	$oxed{oxed}$		5.7	
NW	1	1.7	1 1	2.7					<u> </u>	<u> </u>		5.7	لمق
NNW	1	2.7	4.0	1.3		ļ	ļ		L			9.2	7.
VARBL			L				Ļ						
CALM		$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	10.7	
	, ,		35.7	19.7	1.1							170.2	7.

300

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	CLCS VIEW IL	7 \$ = 3.7 YEARS	NO V HONTH
		ALL WEATHED	HOUSE (C.F.T.
		CORDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥\$\$	*	MEAN WIND SPEED
N			1.7	1.07								9.0	3.1
NNE			1.5	ثما .								3.5	9.4
NE	. 3	1_7	7								L	3.3	7.5
ENE		. 7	1.5		3							3.3	7.1
2		1.0										1.2	9 6 5
ESE				3								2.3	2.3
310		7										1.0	5.3
558	[تعد	1.7				l				3.3	7.5
8	1.1	2.1	6.3	2.7								12.7	8.1
SSW		2.7	5.0	4.7	3							12.7	10.0
\$W		7	7.3	3.3	3			L	<u> </u>	L	Li	8.7	19.2
W\$W		2.0	4.7	1.7			L	1	L			8.7	Bal
w		4 4	5.3	5.7				ł		L	L	15.7	9.7
WWW	7	143	1.7	1.7			l	L	L			4.7	8.4
NW		و ما	2.7	2.7			1	1				600	Eas
NNW	. 3	1.43	3.7	1.3								6.3	9.5
VARSL													
CALM	><	$>\!\!<$	\times	$>\!\!<$	$\geq \leq$	> <	$>\!\!<$	$\geq <$	$\geq \leq$	$\geq <$	><	4 . 7	
	6.5	21.3	38.7	23.0	1.3							100.0	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 to p = 0.	GLENNIE . IL STATION MARK	71-97	YEARS	NO V
		ALL WEATHER		NOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			2.0	. 7								2.7	9.
HNE		3.0	1.3	1.3								6.0	8.
NE	. 7	المال.	1.0									2.3	6.
ENE		1.7	1.0		3							3.0	
E	. 79	2.3	2.5	3								5.0	6.
ESE		7	7	3								1.7	B.
SE		7	. 3	3								1.0	8.
226				_1.0								2.3	9.
8		7.0	1.7	2.0								6.3	8.
SSW		3.0	5.7	5.0	3							16.0	9.
sw	7	2.3	3.7	3.7								9.7	9.
WSW	7	2.3	4 3	3.3	3							10.7	9.
w	7		7.7	4.7								14.3	9.
WNW	7		3.3	1.7								6.0	8.
NW	7	1.7	3.3	_1.0				Γ				6.7	E .
NNW		1.47	1.7	ت د								9.7	8.4
VARBL													
CALM	\times	><	\times	$>\!\!<$	> <	$>\!\!<$	><	><	><	$\supset <$	$>\!\!<$	2.0	
	_4.7	23.3	41.7	26.7	1.7							100.0	ħ.

TOTAL NUMBER OF ORSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	SLETTIEN. IL STATION MARK	7.3 = 9.2 YEARS	NG V
		ALL WEATHES	MON RE CL S Y
		CONDITION	

SPEED (KNTS) DIR,	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥#		MEAN WIND SPEED
N	تمن ـ	1.10	2.0	. 7									7.1
NNE	1.	7	1.3		3							40.7	7.É
NE				7	3							2.3	
BNE											ļ	1021	4.0
	تمل	1.0	المت		3						Ĺ	900	- 3.4
ESR		7	3				ļ	<u></u>			<u> </u>	103	5.8
34		7		7								1.7	9.5
354		7		2.0			ļ		ļ			2.2	10.5
	1=7	2.3	- Bati	تما ــــــــــــــــــــــــــــــــــــ			ļ		ļ			203	7.2
35W	تمنيا	3.7	3.7	1.7				Ĺ	ļ			l Line	7.4
SW	1-3	2.7		2.0			ļ					7.3	7.4
WSW	تمل	3.0					<u> </u>	ļ				202	7.5
W		40.	3.3	3.7		3	ļ					12.7	<u> </u>
WNW	100	-2.3	1.7									5.7	7.7
NW		1_7	3	3					 -	ļ	 -		
NNW	تمل	1.7	247				ļ	<u> </u>	 -			5.3	7.0
VARSL			- -						_	\		-	
CALM	$\geq \leq$	\sim	> <	$>\!\!\!<$	$\geq \leq$	\sim	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	14.7	
	1307	25.7	26.7	18.3	1.7	3						100	5.6

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	· · IE · ·	T i				_73-8		,	TEARS				MOV.
	_					FATHER							21
	-				cia	BITION							
SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 · 27	28 · 33	34 - 40	41 - 47	48 · 55	≥ 54	*	MEAN WIND SPEED
N			_ 5	1.0								1.2	10.6
NNE	7	. 7	. 7	3		-3						2.0	9.5
NE			-,	. 7	-3							2.3	2.9
ENE	, n		7									1.7	5.0
ŧ	-	. 3	1.3	-1 - 0							}	3.0	9.1
ISE		. 7	3	3	. 3							1.7	10.2
SE	-	1.0.3	7	. 3	- 3							2.3	3.6
SSE				7								1.5	11.3
,		7.3	.5.3	1.7	3							10.7	P . 8
SSW	, , ,	7. 1	_2.7	1.3	3							2.3	7.7
SW		7.7	7.7	1.3								9 . 3	7.6
W\$W		- 3 - 5	1.3	2.7				Ĺ <u>.</u>					8.6
w	1.3	3.3	3.7	2.3		3		<u> </u>		<u> </u>	ll	10.3	8.2
WHW	1.7	1.7	2.2	2.3				1				7.7	8.0
NW	7	103	2.3	1.7								6.0	8.4
NW		4.0	2.5			L		Ĺ				6.7	5.9
VARBL													
CALM		$\supset \subset$	> <			><	><	$\geq <$				19.7	
										}			

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16355	SLEMVIEW. IL	73-82		NOV
STATION	STATION NAME		YEARS	神中和 7 m
		ALL WEATHER		ALL
	-	CLASS		HOURS (L S T
		COGRATION .		

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥34	*	MEAN WIND SPEED
N	41	<u> </u>	1.0	7	. 5							3.2	7.
MME	7			. 7	-1	. 79		L				2.9	5.
NE		6	. é	3	-1							1.3	2
ENE	,	- 7		_ 3	.1							2.2	7.
E		1.0	1.2	5	2							3.0	7.
ESE	- 1	. 5	25									1.4	7.
36	- 23	4.5	. 3	. 3	1							1.2	8.
SSE	. 1	. 5	. 7	. 7								2.0	9.
8		2 . 5	4.0	1.7	1	1						9.4	
SSW	- 2	2.5	4.2	2.5	. 3							10.7	A.
sw	1.0	2.5	2.9		- 1		Ĭ					8.4	7.
WSW	. 8	2.5	3.2	1.7	- ii							8.2	8.
w	1.7	3.6	4.5	3.2	. 2	- 1						12.3	
WHW	1.2	1.7	1.7	1.9	- 2							6.0	7.
NW	. 3	2.2	2.2	1.3	- 1							6.7	7.
NHW	7	2.0	2.6	9	. 13							6.2	
VARBL													
CALM	X	> <	\times	\times	$>\!\!<$	\mathbb{X}	> <	>>	$\geq \leq$	\times	>>	13.7	
	9.0	25.45	31.5	12.4	1.5	. 2						100.0	6.

TOTAL NUMBER OF OBSERVATIONS

<u> 2400</u>

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14855 STATION	SEENVIEW II	73-82 YEARS	DEC MONTH
		ALL WEATHER	HOURS (C.S.T.)
		СОКВІТИМ	
			

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEED
×		1.3	1.6	1.6		3						4.2	9.
NNE				1.0								1.0	11.
NE		7		1.3	3							2.3	11.
ENE			1.0									1.0	5.
ŧ				1.0								1.6	
929			1.7									1.7	7.
SE			1.7	1.0						†		3.2	
388		. 6		. 6						1		2.3	
8	. 1	4	1.9	1.3	. 3							8.4	7.
SSW		2.5	4.2	2.3	- 6	. 7				<u> </u>		13.6	2
sw	. 5	2.0		1.7								2.9	7.
W\$W	1.3	2.3		1.6								7.4	7.
w	1.0	7. 2	4.2	1.1								11.3	1.1
WWW	1.6	1.8	2.2	1 3	- 6				1			7.7	
NW	1.4	2.6	2.9	1.6								8.7	7.1
MW		1.0	1.5	1.9								3.5	8.
VARSL													
CALM	> <	$>\!\!<$	> <	> <	$\geq \leq$	>>	$\geq \leq$	\times	\times	\times	> <	12.5	
	3.7	24.5	31.9	12.1	2.3							100.0	7.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 - 35	GLENVIEW IL	73-82		
STATION	STATION NAME		YEARS	PONTH.
		ALL MEATHED		63
	- ·	CLASS		HOURS (L.S T)
	·	CBR917100		

SPESD (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	%	MEAN WIND SPEED
N		1.		A E								3.2	
NNE			عما	- 6	3							2.6	11.
NE	7											1.0	11.
ENE				3								10.7	5.
		- 3		1.5								2.6	7.
289			6	. 3								1.3	
88			3	- 6								1.3	9.
\$88	1.5	1.0	1.0						L			2.9	5.
8	1.9	2.9	1.7	ثما ا					<u> </u>		l	7.4	6.
\$8W	1.3	3.9	2.6	2.6	3			l	<u> </u>			10.6	
5W	1.5	3.9	4.2	- 6			<u> </u>	<u> </u>				9.7	
WSW	, s	2. 0	2.3	1.3			<u> </u>					6.3	
w	1.7	3.5	3.2	1.9	3				L	L		10.3	
WWW	1.0	2.3	3.2		3			<u></u>	<u> </u>			7.0	
NW	1.0	3.2	2.3	1.9			<u> </u>	<u> </u>				9.1	
MMM	: • c	1.0	3.2	1.0	3							7.1	7.
VARBL													
CALM	$\times\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq <$	$\geq <$	15.3	
	12.3	26.3	28.4	19.5	2. 3							100.0	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_					A THEE						HOULE	(L B T)
	_									_			
SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA WIN SPEE
N	1.7	100	1.6	1.5								4.5	7
NNE												1.5	16
NE						, ,						1.3	10
ENE			1.65	3								1.3	5
£	. 4											1.0	•
ESE	1.0	1.0		- 3								2.5	
SE			4.5	_ 6								1.3	1
SSE		1.3	1.0	3								2.9	
\$	1.5	3.2	3.2	1.6								9.7	
SSW	1	2.3	3.2	طما	6							9.4	1
\$W	7	1.6	1.6	2.6		3						6.5	5
W\$W	7	3.4	2.3	1.5								7.4	
w	2.3	5.2	2.6		6							11.6	
WHW	1.9	2.5	2.5		6							2.4	
NW	1.0	3.9	1.6	1_3	3							Eal	:
NHW		las	2.9	1.6	6							7.4	
VARBL	1					1				1	1	1	

TOTAL NUMBER OF OBSERVATIONS

310

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	CLETTEN IL		DEC MONTH
		ALL WEATHER	G O
		COMMITTAL	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N	• 6	6	1.3	1.0	. 3							3.9	٠,
NNE	1.	1		1.9								3.2	9.
NE													20.
ENE	- 4											. 6	3.0
E	• 64		1.3	1.3				L				3.2	9.
ESE	• લ	1.0	. 3									1.4	4 .
SE				. 3								. 6	9.
SSE	1.4	1 - 3	1.3	. 6								4 0	6.
\$. 1	1.6	3,4	1.9								7.4	8.
SSW	1.3	2.9	3.5	4.2	- 3							11.0	8.0
SW	• €	1.3	2.3	1.6	. 6							6.4	10.
wsw	ó	. 5	3.9	1.6								6.4	8.
w	2.6	3.0	4.5	2.3	• 3							13.5	7.
WNW	1.1	1.6	2.5	1.6		. 3						7.4	8 .
NW	. 1	1.0	3.5	1.7								6.0	8.
NNW		7.2	4.2	1.0	.6							9.0	•
VARBL													
CALM	\times	> <	$>\!\!<$	> <	><	> <	> <	$\supset <$	$\supset <$	$\supset <$	> <	11.6	
	11.7	19.7	32.3	21.1	2.6	. 6				{		190.0	7,

TOTAL HUMBER OF OSSERVATIONS 3 1

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14 155	STATION HAME	17-62	YEARS	9FC WOMTH
		ALL REATHER		HOVES (L. E. T.
		COMPANY		

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N		1.0	1.	1.3	. 6								c.
MME			1.0	1.2		1	L					3.2	12.
NE			,	3	Ł.							101	13.
ENE		1.		3					İ			1.0	7.
E		تعل	1.7	1.3								3.00	7.
ESE		a É.	, i						<u> </u>			1.2	6.
32			1.7									l ist	3.
388	نما		<u>.</u>									اتمد ا	7.4
8	1.7	1.3	3.0	1.3	3					<u> </u>		7.7	ë.
88W		- 20 3	7	3.5	6							15.3	
SW		1.0	1.3	4 . 3	1.3							المعا	_11.
WSW	1.4	1.9	4.5	2.3								15.65	7.
w	1.3	3.9	6.1	4.8								1600	
WNW	1.0		1.8	2.6								7.1	9.
NW			1.00	1.3								4.5	
NNW		1.6	2.3	1.6	6							5.5	111.
VARM						Ĺ			<u> </u>				
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	><	$>\!\!<$	><	$>\!\!<$	4.5	
		71.9	32.6	27.5	4.2	. 6						150.3	_ 8.4

OTAL NUMBER OF OSSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION MANS	73-8.º	FIS C NORTH
		SEATMEN CAME	HOURE (L S Y
		CO NO. TION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEED
N		. 6	1	100								3.5	12.
NNE			1.0	1.7								7.2	9.
NE		1.7	7									4 - 3.	
ENE		1.3	3									1.2	r
E		1.1	1.3	1.5								7.0	
ESE			3	3								1 - 3	7.
SE		ظ هــــ										2.5	
SSE			1.0	3								1.3	0
8		3.2	7.9	1.0	-3							9.7	7.
SSW		2.9	3.5	i c	1.0							110	10.
SW		100	1.5	3.5								7.4	10.
WSW	1.	1.9	8.5	1.3	-							9.7	3.
W			5.1	5.2	6							15.E	9.
WNW		1.6	2.6	2.6	3							7.4	- 2
NW			2.7	1.0								5.0	B.
NNW	3		7.6	1.3								6.6	
VARBL													
CALM	$\geq <$	$>\!\!<$	$>\!\!<$	$>\!\!<$	\times	><	$>\!\!<$	$\geq <$	><	><	><	4.5	
	ė. l	22.9	37-4	25	2.9		,					100-0	

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	72-35	YEARS	DE C.
		CLA VEATHER		HOURS (L.S.T
	_ ,	COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		1.			3							3.	2.0
NNE			7				· · · · · · · · · · · · · · · · · · ·					1.	_12.6
NE		. 1	1									2.3	
ENE				*					I			1.3:	2.0
ŧ		تمن		تما								نمت	
ESE												1.2	2 a d
SE					. 3							1.7	3
SSE		1.3	1.7									3.2	5
8	بمذ	2.3	4.2	7_7								151.7	7.5
\$\$W	1.5	2.00	1.9	1.3								9.1	7 .!
sw	1.0	1.3	2	3.2								8.7	9 4 5
wsw_	1.4	3.9	? 4	1.3								3	6.
w	3		3.9	2								1400	7.
WWW	17	2.3	1.6			,	l]	5 . 5	7.
NW	1.0	1.3	3.7	1.2	3							7 . 3.	3.0
NNW	1.0	1.1	1.3	3								4.5	لمظ
VARM													
CALM	><	><	$>\!\!<$	><	> <	><	$\geq <$	$\geq <$	$\triangleright <$	><	><	7.4	
	12.3	5.7.8	25.1	17.5	2.6		. 1					158.3	7.0

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_				الله	LATE						HOVE	- 1
	_				CO.	IBITION				_			
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N			2.3	. "		- 3					·	3.6	9.
NNE		. 4		1.7								7 7	- 2.
NE	7	,	1	1.5								2.6	
ENE	-		. 7									-	- 2
E		, .	7	1		T						9	Ĥ.
ESE	-	1. 7		,			ļ					3.4	7.
SE			1.7	,								2	7.
SSE			1 . 3									2.5	. i.
5	, .	2. 7	5 . 5	1.7	. 1							1144	7.
SSW		1 - 6	7.6									9.1	2
SW		7 . £	7.4	2.5	. (10.7	8.
wsw	1 . 5	1.0	1 . 7	1.0	. 3							Aat	7.
w		2.1	2.4		- 1			I				11.7	8.
WNW		3.0								T		9.7	
NW		2.6	4.7			T						7.4	
NNW		101	2.4	1.7	,							5.:	- 3.
VARRI				1			<u> </u>	<u> </u>	1	1			~

TOTAL NUMBER OF OSSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION MARK		YEARS	<u> </u>
		ALL WEATHER		HOURS ILS T
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		ز م ا	1.7		. 2	. 1	1					4 .	. y . i
NNE			, ,	1.0	لم	. 1				4		2.4	11.1
NE	, ,	۲.	. a	. 4	. 2							2.1	2 . 2
ENE		. 4		. 7								1.3	5.7
ž.	. 1			1.0								2	8.1
ESE		. 6										2.1	7 . 5
SE												1	5.7
35E				. 7	n							2.9	6.07
\$	1.1	2.7	3 4	1.4	. 2							8.9	7.5
ssw		7.4	٠ ۲	2.5	- 5	. 1						10.3	9
SW		2.1	2.1	2.8	. 4	. 1						8.5	9:
wsw	: 1	2. 3	7	1.6	- 1							5.0	7.6
w	1.4	7.0	9.2	2.9	- 4							13.2	7.5
WWW	1.3	2.1	2.6	1 . ?		- 1						7.6	7.5
NW	7	2.1	2.0	1 - 4	.1							7.2	7.5
NNW		1.7	7.7	1 . 7	. 4	. 1						5.5	8.7
VARBL						7							
CALM	> <	> <	><	><	> <	$\overline{}$	$>\!\!<$	$>\!\!<$	$\supset \subset$	$\supset \subset$	$>\!\!<$	10.3	
	10.2	24.5	31.5	12.7	7 - 8	. 5	. 1					100.2	7.4

TOTAL NUMBER OF OSSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION MARK	77.46.	YEARS	- 11
		ALL WEATHER	 	MOURS (LET
		COMDITION		
			·	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	•	MEAN WIND SPEED
N		1.3	1.5	1.7		. 1						4.0	9.
NNE		1. 3	1.7	1.7		1						6.0	a.
NE		1.4	1.0									4.4	عد
ENE		1.	1.5	6			• 12					4.2	. 7.
E	7	1.4	1.4	À	1	_						5.0	
ESE	1		1.6	7	. 7							2.7	bai
SE		. 6		×								102	6.0
SSE		. 7	7	14	n							2.2	7.
5	1.1	2.2	2.7	1.5	. 2							8	
SSW		2.3	3.0	1.9	2							5.	2.
sw		2.1	2.*	1.5	. 2			•				6.9	
WSW		2.1	2.2	1.2		n						Set	7.
w	1 6	3.2	3.4	2.2		1						13.6	8.
WWW	1.3	105	1.5	1.3	- 1	ال ا						5.9	7.
NW	3	1.5	1.6	٤	1							4.7	7.
NNW	9	1.3	1.6		1		0					4.1	7.
VARBL													
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$>\!\!<$	\times	$\geq \leq$	\times	$>\!\!<$	15.1	
	11.2	25.3	25.4	15.9	2.1	- 4	n		L			120-5	6.

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 () -	715107Fu. 11	73=27	At I
STATION	STATION HARE	YEARS	МОНТЯ
		STRUMENT	ALL
		CLASS	HOURS IL S.T
	CIU 200 IO 1490 F	W/VSBY 1/2 HI 02 HOWI .	
		CONDITION	
	ANSZER VSSY 172 TO 29	-1/2 HI AZCIG ZOD FI OR MORE	

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N		2.1	2.4	2.5	7	3	.1					16.0	15.1
NNE		1.0	2.7	1.3	3							7.7	9.1
NE	<u></u>	1.06	7.2	1.6		1						6.2	dat
ENE		1.7	2.1	1.2	1	• •	. 3					5.9	7.5
E		2.5	2.2	1.9	- 2						Ĺ	7.3	8.0
ESE		- 9	1.49	4	1							3.3	7.4
SE	. 14	4.4	4									2.4	. 7.1
358		. 1.1	1.7									3.4	7.8
\$		2.1	3.1	1.2	1				Ī			7.1	7.2
SSW		2.0	1.3	1.3	7							£ a l	7.4
SW		1.7	1.7	9	1	- 1						5.2	7.7
W\$W	7	1.3	1.7	1.3	. 1							4.9	7.5
w	. 19	1.4	1.7	, e	3	a.c						5.2	7.4
WWW		13	2.0	. 6	- 1							3.2	6.5
NW		1.4	1.3	1.0	2							4.4	B . 2
NNW		1.6	1.9	. 8	. 1							4.5	7.5
VARBL													
CALM	\times	$>\!\!<$	\times	\times	\times	\times	$>\!\!<$	\times	\boxtimes	\times	> <	12.5	
	10.5	25.1	30.0	13.4	2.6	. 7	- 1					120.5	7.4

TOTAL NUMBER OF OSSERVATIONS

NOCD, Federal suilding Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By Month all years and all hours combined
- 3. By Month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING	VISIBILITY (STATUTE MILES)															
(FEET:	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/1	21%	≥1	≥ ¾	≥ %	. ≥ %	≥ 5/16	≥ 1/4	≥ 0
NO CEILING									مي						\sim	
											\subseteq					\sim
> 1800 > 1500		!	ļ		y1.0											€2.4
> 1200 > 1000																
> 900	•	•	i							· ·						
> 700 > 600																
> 500	. !						·			57.4		} ·		├ Ì	 	93.1
> 300		i	· ·			•	 	-					<u> </u>	<u> </u>		<u> </u>
≥ 100 ≥ 0			• =	 	95.4	•	96,9	<u> </u>		04.3		·		 	l	100

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed \geq 0. For instance, from the table: Ceiling \geq 1500 feet = 92.6%. Ceiling \geq 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite \geq 0. From the table: Visibility \geq 3 miles = 95.4%. Visibility \geq 2 miles = 96.9%. Visibility \geq 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of \geq 1500 feet with \geq 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.
- MOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
O	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10 Scattered converted to 3/10 Broken converted to 9/10 Overcast converted to 10/10 Obscured converted to 10/10

CEILING VERSUS VISIBILITY

Strately IL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 C

CEILING							VIS	IBILITY (ST	ATUTE MIL	£S)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000	73.	95.4	44.7	44.8	47.0	45.2	45.2	45.2	4 - 2	42.9	47.9	45.2	45.2	45.7	45.0	
≥ 18000 ≥ 16000	33 • 4	41.4	44.0	45.2	47.5 45.5	45.5	45.5	45.5	45.5 45.5	45.5	45.5	45.5	45.5	45.5 45.5	45.5	45.5
≥ 14000 ≥ 12000	23.1	41.9	44.5 45.6	45.2	45.5	45.5	45.5 46.5	4 5	45.5 45.5	45.5	46.5	45.5	44.0	45.5	45.5	45.5
≥ 10000 ≥ 9000	7.6	47.1	50.7	50.3 50.3	53.7	50.7 50.7	50.7 50.7	50.7	50.7	50.7	50.7 50.7	50.7 50.7	30.7 50.7	5 G • 7	50.7	7 7
≥ 8000 ≥ 7000	47.7 41.1	51.7	5 · • 2	54.2 55.5	54.5 55.2	54.5	54.5 55.8	54.5 55.5	54.c 54.p	54.5 55.6	54.5 55.5	54.5 55.8	-4.5 55.8		54.5 55.5	54.5
≥ 4000 ≥ 5000	41.9	51.9 51.9	50.5 55.5	55.8 55.8	56.1 56.1	56.1	56.1 56.1	56.1 56.1	50 . 1 55 . 1	56.1 56.1	56.1 56.1	56.1 55.1	56.1	56.1 56.1	55.1	56.1
≥ 4500 ≥ 4000	42.7	54.5	5 7 . 1	55.3	57.1 59.0	57.1 ○9.0	57.1 59.0	57.1 59.0	57.1 57.0	57.1 59.0	57.1 59.0	57.1 55.0	57.1	57.1	57.1	57.1
≥ 3500 ≥ 3000	46.	55.4	54.4	59.7 66.1	6	60.3 66.3	60.3	10.3 67.7	57.7	50.3 67.7	67.7	67.3	• •	60.3 67.7	67.7	; ~ . ? 67. ?
≥ 2500 ≥ 2000	- 7 . W	57.1	67.7	73.6	75.7	70.1	71.3 75.8	71.6 70.1	71 of 76 o 1	71 · (71.6	71.6	71 • 6 76 • 1	71.5	71.1	71.0
≥ 1800 ≥ 1500	1.9 . 4 5 • 3	67.7	75.2	74.5 77.1	76.1	76.1 79.4	76.8	77.1	77.1	77.1 51.0	77.1 31.0	77.1	77.1 81.0	77.1	77.4 81.7	77.1 81.0
≥ 1200 ≥ 1000	• 1	75.7 75.7	76.1 73.1	73.4	51.7 53.9	-1.U 93.9	52.3 85.8		26.1	°2.6	22.6 86.1	82.6	67.6 56.1	92.6 56.1	67.5 86.1	52.6 86.1
≥ 900 ≥ 800		70.7	1.7.1	£1.9	85.5 86.1	5.8	38.1 89.4	48.7 90.0	80.7 90.0	86.7 90.0	58.7 50.0	88.7	38.7 90.0			89.7
≥ 700 ≥ 400	` • 3 _ : • 7	71.7	79.7	63.6 53.9	67.4 87.7	87.7 38.1	90.7	71.3	91.3 91.9	91.3	91.3 91.9	91.3			91.3	91.7
≥ 500 ≥ 400	0 • 3 0 • 3	71.9 71.3	79.7 87.0	84.2	87.7 88.1	P8 • 1	97.3	74.2	97.0	93.2	95.5	93.6	95.4	. 1	93.9	93.4
≥ 300 ≥ 200	-0•3 -9•3	71.5	80.0 80.0	54.2 34.2	88 • 1 89 • 1	E8.4	93.2	94.2	94.2	95.5 96.5		96.5	98.1	97.1 68.1	97.1 98.1	97.1
≥ 100 ≥ 0	ं . १ ः . इ	71.7	80.0 80.0	84.2	88.1	28.4	93.2	94.2		96.8		99.1	97.0			170.0 100.0

TOTAL NUMBER OF OBSERVATIONS

313

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST.	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 114	≥ 1%	≥ 1	≥ 4	≥ 4	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	34.	47.7	41.3	41.5	44.5	41.5	41.5	9	44.3	45.0	4:.0 45.5	45.5	47.2 47.0	43.2	43.2 45.8	42.2
≥ 18000 ≥ 16000	34 • 1 34 • 1	42.9	63.6 43.6	43.7	44.5	44.5	44.5	44.8	44.2	4	45.5	45.5	45, 5	47.8 45.0	45.8	45.05
≥ 14000 ≥ 12000	34.	42.9 44.2	47.6	45.2	44.5	44.4 65.4	84.° 43.8	44.3	44.0	43.5 45.5	45 - 8	45.5	45.5	47.1	47.1	41.0
≥ 10000 ≥ 9000	6.	47.7	#3°€ #3°€	47.4	50.0 50.0	0.0	53.0 53.0	5 7 . 3 5 . 3	50.3 50.3	51. 31.	51.7	51.3 51.3	71.3 11.3	1.3 1.3	51.7	1.! <u>[</u>
≥ 8000 ≥ 7000		50.0	51.7	12.3 53.6	52.5 54.2	12.0	57.0	73.2 24.5	53.7	55.4	53.0	55.0	54.2 51.5	5.	اً جهار <u>55.5</u>	14.0 <u>15.</u> 2
≥ 6000 ≥ 5000	6	11.5	53.6 56.5	53.9 54.8	54.5 56.1	64.5 66.1	54.5 56.1	7 4 . A	54.4 55	55.54 57.1	55.5 57.1	55.5 57.1	5°.4	57.4	55.8 57.4	57.4
≥ 4500 ≥ 4000	43.7 49.7	13.6	55.5	55.8 57.1	50.4	7.1 58.4	57.1 58.4	-7.4 F.1.7	57.4 54.7	53.4¥ 69.44	55.4	50.4	53.7	57.4.	59.4 <u>5</u> 7.7.	15 mg
≥ 3500 ≥ 3000	-1.6	55.8 61.7	57.7 63.6	54.4 64.2	50.7 65.5	59.7 55.3	57.7 65.8	6.1	6 3 . 1	50.07	66.9	56.5	(1.0 67.1	51.57.1.	61." 67.1.	67.1
≥ 2500 ≥ 2000	4.5 • 3	3.7 56.8	69.7	46.8 70.7	63.1	72.6	62.7 73.2	73.6	77.6	50.7'	74.2	74.2	7" • D 74 • E	700 • ° 74.•5.	7"." 74.5.	74 • <u>5</u>
≥ 1800 ≥ 1500	7.8	71 - t	7 C 7 1	71.0	73 • 2 8′ • ^	73.1	74.2 52.3	74.5 52.6	74.5	75.2 93.2	33.2	75.2 23.2	75.5 (3.6)	75.5 73.6	75.5 53.6	71.5
≥ 1200 ≥ 1000	47.7	72.9	77.4	77.4	81.9 87.9	42.9	54.8 35.8	25.2 25.5	85.7	37.4	87.7	35.1	84.5	A6.5	36.5 39.1.	ен. Эт.,
≥ 900 ≥ 800	47.7	74.0	87.3 80.3	82.9	55 • ? 36 • 1	7.1	98.1 89.7	18.7 90.0	93.7	91.3	91.6	91.5	ુદ ્ ક કુ ા	91.9.	90.3 91.9	*1.7
≥ 700 ≥ 600	47.7	74 • H		63.2 33.6	57.4	17.7	90.0 91.0	71.0	91.0		97.9	92.9 53.9	37.7 54.2	೧₹•2 9 4• 2	53.2' 94.2	
≥ 500 ≥ 400	47.7	75.2 75.2	81.7 81.7	83.6 83.6	97.7	28.7 88.7	97.6	3.9	33.0	95.00	94.A 95.5	76.5	97.1	95.7	97.1	27.1
≥ 300 ≥ 200	47.7	75.2	91. 61.	23.6 3.6	37.7	48.7	93.2	74.8	04.0	97.1	97.4	\$7.4 \$7.7	30.0	99.3	98.4	აე•. ე∫•4
≥ 100 ≥ 0	47.7	75.2 75.2	81.7	83.6 83.6	97.7	18.7	93.2 93.2	94.8		97.1	9n.1 9f.1	98.1 98.1	99.7	99.7	99.7	

Sales Sales

DIRNAVOCEANMET SMOS

- H

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	_	-					VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ 4	≥ 4,	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	. 3	41.5	3 3 . C	4 .2 41.1		43.7	~1.2 44.1	1.2	44.1		41.2	41.2	L }	1	41.	41.
≥ 18000 ≥ 16000	• ?	41.	4 -1	43.1 43.1	43.7 43.7	43.7	44.1 44.1	44.1	44.]	44.1	44.1	44.1	-	(1 de . u	44.4	44.4 44.4
≥ 14000 ≥ 12000		41.	42.4	43.1 45.4	40.4	.4.1 44.4	44.4.7	. ,	71 ft * 2	44.7	44.7	64.4 44.7	44.7	44.7	44.7	u ; , /
≥ 10000 ≥ 9000	3.1		47.0	46.9 48.9		0.0 0.0	50.5 50.5		£ 7•5 5.7•5		5 1 5 5 1 5	5.5	€7.F	50.8 50.5	57 • 1 50•3	
≥ 8000 ≥ 7000	: • ₹	1.1	51.9 52.1	52.7 73.1		4.5	54.3	4.7	54.7 54.7	54.5	54.7	34.3 54.7	FB.7	54.7	54.7 55.0	14.7
≥ 6000 ≥ 5000	17 . 3	1.1	52•1 53•7	7 • 1 54 • 7	54.5 56.0	74.3 75.0	54.7 54.3	64.7 6.3	54.7	56.7 55.3	54.7 51.3	54.7	(* • O	56.4	55.6 55.6	15 . T
≥ 4500 ≥ 4000	• 3	3.7 4.7	5 . 3	56.0 57.2	57.7 55.5	- 1	37.00 54.6		57.0	57.5 58.0	50 c		57.0	57.9 23.1	57.0 50.7	57.
≥ 3500 ≥ 3000			1	7.2 7.2.4	67.5	(1.2 (3.7	5-3		£ 10 0	· .	6 . ^	6 4 . 3		61.1 64.6	01.1	11.1
≥ 2500 ≥ 2000	1.	50.5 54.3	5 ° ∙ ° 6 7 • 2	64.6		~6.2 ~1.4	56.6 71.7	66.7 72.5		60.7 77	72.	66.9 73.0		12.4	67.7	67.0 72.4
≥ 1800 ≥ 1500	. 1	55.6 58.5		- '' - '		13.0 17.5	73.3	73.t	73.0	,	73.6	73.6 79.1	74.0	74.5	74.0	74.5
≥ 1200 ≥ 1000	4.3	71.4 73.	7 ?			2.3	83.6 85.5	7.1	57.0 37.1			34.7 88.1	€ 0 . 4	99.4	38.4	44
≥ 900 ≥ 800	4.4		7 .4 87.1	91.7	A3.9	25.2 6.8	86.3 83.4	7.5	-	50.8 21.	8.83	28.F	80.1 91.3	99.1	87.1 91.5	20.1
≥ 700 ≥ 600	1 44 m 24 - 44 m 21	1 3	67.1 67.1	43.3	85.9 45.9	47.8 89.1	67.4 69.7	91.7	51.7			92.6		77.6	\$2.6	3
≥ 500 ≥ 400	4.4		3° • 1	23.3	36 . F	19.4		7.3	स्टूड अरु•्र		95.9 95.9				95.5	50. ; 64
≥ 300 ≥ 200	44.6		8 .1	33.3	57.1 87.1	90.5 90.0	97.0 97.0	- 1		97.1	97.4 98.1			98.7		98.1
≥ 100 ≥ 0	64 . 4 94 . 4		A . 1	93.3	97.1 97.1	93.3	92.0	73.9	93.0	97.1	99.1	98.1	99.0	79.4	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS 11

DIRNAVOCEANMET SMOS

11

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		_					VIS	BILITY (ST	ATUTE MIL	E\$)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 114	≥ 1	≥ %	≥ 4,	≥ %	≥ 5/16	≥ '.	≥ 0
NO CEILING	• 3		3 • 6	33.3		7.4					77.0		3.7	37.6	j7.5	
≥ 20000	1	20.0		7, 3			41.2	1.2	41.2		4100					* 1
≥ 18000 ≥ 16000	1.7			31.9		41.2	41.2		41.2	41.5	41.5	41.5	'	41.6	41.5	11.5
≥ 14000	1	7	3 5			-1.3					41.5				41	41.5
≥ 12000	1 7	40.2	47.4	40.1		43.4	43.4			43.7		43.7	f		43.7	4
≥ 10000	4	42.	44.1	43.3		47.3	47.6				47.			47.5	47.7	27.3
≥ 9000	1 4	42.4	44.1	4 3		47. 3	47.6		47.4	47.4	47.7	47.9	47.2	47.4	47.0	47.0
≥ 8000	1	• • •	47.1	45.2	ii.	30.	E1.	1.5	11.	51.	-1.0	51.3	>3.5	51.8	51.5	
≥ 7000		1 45.64	4 . 4	12.2	51.5	2.1	23.4		<u> </u>	5 3 . 7	5.3.7.	53.7	5. 7. 7	13.7	5 2 . 7	7 . ز ک
≥ 6000	7	1.7	40.2	٠,5	51.0	3.1	53.7	7.5.7	- 3.7	54.0	54.0	54.3	14.0	54	5.4	" °
≥ 5000	· `	43	5 . 1	13.1		- 5 . 3	54.0	ام ،		S 12 . T	5 5 6 3	5003		56.5	36.	روو".
≥ 4500	7 • "	2 % A	51.5		,	6 • 3	56.0	57.7	* 7 • ?!	· 7 • 6	57.6	57.6	0.74	57.6	57.6	57.5
≥ 4000	-		- 4 - 3		57.E	3.5	19.5		<u> </u>		55.3	60.5	٠	انعثث	57.0	
≥ 3500	•	j 52 • 7	3	57.9		1.7	65.4		- 43 • 1.	K3.3			. 53 . 2	63.3	n3.3	7 . 7
≥ 3000	1 = 1 = 7		5 • 5		3.7	****	25.2	£7.2	57.7	67.5	<u>. 57 •</u>	<u> </u>	67.5	57.	. <u>2.</u> 7 • b	· £7•=
≥ 2500	:2.4	77.1	1.1						5 9 6 1	7 . 1	7 • 1	7 • 1	• 1	70.1	77.1	• 4
≥ 2000			27.7	65.6		72.0	73.6	74 . 7	75 - 2	_7 <u>. • 6</u>	<u> </u>	77.06	<u> </u>		. 75 • €.	. 7 : • 🔄
≥ 1800 ≥ 1500				67.2		76.5		76.05	74.0	77.3	1101	77.2		11.6	1102	*7.2
-	4.	3	6 . 7				81.4		1) 7 3					, 24 til.	. C 3 • 4.	
≥ 1200 ≥ 1000			6 . 2		i .	2.3	34.9		37.5		60 e.	5 M + 5		5.3	20 1	
} ~	1 - 4 - 4		7 . 7			3.4			57.4	7	·	7		'	01.0	i i
≥ 900	4 4		7 7.	74.6		ų c	57.8	7 . 7		92.6	2.6	9 6	42.3	72.5	9 . 9	2 2
≥ 700	. 4 . 4	6.5.6	71.1		+	5.0	83.8	21.6	42.3		94.	94.2	14.9	~ <u>~</u>	04.0	0. 0
≥ 600	: 4, 61	65.4	71.1	74.5	P1.4	60.2	89.1	22.5	92.6	07.9	94.5	74.5	25.2	95	95.2	7
≥ 500	. 4 . 4	35.0	71.4	75.2	91.7	6.	23.7	3, . 4,	03.8	94.5	25.5		76.1		₹6.1	4.
≥ 400	4 . 0	A 5. 6	71.4		81.7	96.8	99.7	23.9	43.4	45.2	96.1	96.1	77.1	97.1	37.1	7.1
≥ 300	-4 . 4	65.5	71.4	75.2	21.7	67.1	93.0		28.0	75.5	96.5	96.5	57.4	98.4	98.7	78.7
≥ 200	-404	·	71.4	75.2	81.7	57.1	93.0	73.3	~3.°	75.5				99.5		
≥ 100		65.3	71.4		: - :	47.1	35.43		23.0		l 1	ं 6 • 8	1	29.4		
≥ 0	4 . 4	155.7	71.4	75.2	81.7	37.1	95.0	17.3	43.0	95.5	96.8	76.8	99.0	79.4	79.7	1 (C •)

OTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)	·					
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ 4,	≥ %	≥ 5-16	≥ .	≥ 0
NO CEILING ≥ 20000	1.	-4-	37,7	45.0	37.7	· 5 • 1	P.↑ 46.1,	5		3 . • .! 4 • 5	46.5		47	46.5	30.5	
≥ 18000 ≥ 16000		54.2 44.2	44.	45.5	46.1	45.1	40.1	45.45 46.45	40.0	46.5	46.5	45.5	46.5 46.5	45.5°	44.	4
≥ 14000 ≥ 12000	7.3	4 . 4	4 1	40.1	46.5 45.2	40.6	46.5 49.4	44.3	45.7	45.5	45.3	45.3 49.7	4.5	45.	40.7	40.0
≥ 10000 ≥ 9000	1.4	· 7	51.7	7_ • 5	5.5.2	3.2	53.0 53.0	-3.6	3.6	53.6	57.6	53.0	51.6	53.6	53. 53.5	
≥ 8000 ≥ 7000		र ह• औ ड• ड	51.5 55.7	50.5 57.1	5-1	7.1	57.1 ≤4.4	57.4.	57.4	57.4 57	97.4 88.7	57.4	7 4	57.0	59.4	57.0
≥ 6000 ≥ 5000	ন্ <u>ন্</u> ত ক	हरू । ५. 0	5 . 7		\$4.0 \$1.7	1.	59.0 61.3	1.6	5 " • • ~1 • •	= 0 . s.	90.4. 91.5	£7.4	1.5	59.5 61.e	57.4 51.5	73.4 51.6
≥ 4500 ≥ 4000	1.0	२०.		ចូក•្រ មាន•្ទី	5 .7 61.0			13.6	13.7	01.0	61.5 63.2	61.5	-1.6	11.5 63.3	61.0	64.5
≥ 3500 ≥ 3000	٠ ذ	6.1	6 . 7 + 2 • 5	61.3 04.2	66.5		54.º 57.7	14.8 58.1	04 + 0 4 - 4 1	54.5	64.5 67.1	64.9 6 - 1	. 4 . P	• 1	64. 64.1	64.
≥ 2500 ≥ 2000	प्रकृति ५१ • ४	3.7	5 . 5	6. •6 71•9	60.5 75.3	73.0	71.7	71.7	71.7	71.7 75.8	71.3 75.0	71.3 75.0	71.∗3 75.8	71.7	71.1	71.
≥ 1800 ≥ 1500			-	73.6 73.9	74.5	75.1	77.4 31.9	77.7	77.	7 4	75 • 4 • 5 • 5	7 .4	7 4	79.4	70.0	7 . 4
≥ 1200 ≥ 1000		18.5 57.4			75.7 81.6	11.7 14.2	54.2 36.5	15.8	19.5	87.1 87.7	97.1 97.1	87.1 20.0	7.1	7.1	67.1 47.5	37.1 7.1
≥ 900 ≥ 800	•		-	74 • 1 7 • • 1	53.2 33.2	5 • 4	78.4 69.4	1.5	01.6 97.9	9. • 5 9. • 5	9 ~. 6	97.8 54.2	-	3.6 94.7	92.5	^ ·
≥ 700 ≥ 600					35.6 83.6	6 • 5 5 • 5			42.6 53.6	74.5 54.5	45.7 95.7	95.2	13.€ 15.€	75 • 5 . 35 • 6	05.4 25.4	25.
≥ 500 ≥ 400	_	69.1			43.6 83.6	%6. %6.5		77.3		94.3 95.0		95.5	26.1 27.4	96.1 97.8	96 • 1 97 • 4	24.1 67.4
≥ 300 ≥ 200	_	• 1		7°•4	83.6 81.6	6.5	3,01	3.2 27.2	्य • ह	96.5 96.5	97.7 98.1	97.7 93.1	5°.7	98.7	99.4	74.4
≥ 100 ≥ 0		66.1 65.1		72.4 72.4	32.6 83.6	6.5		93.2 93.2		,			-	99.4		

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMO

111

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 114	≥ 1/2	≥ 1	≥ %	≥ ų	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	• • • • •	7 • • · ·			4 . 1	7.1	45.1		/3.5 45.6°	ې.پ. زوين	46.5		3 7 6	17.2 46.5	41.07	
≥ 18000 ≥ 16000	• 1	94 m] 64 m ;		4: • 1	4(*) 4(*)	46.1 46.1	46.1	40 %	4 / • €		46.5	40 • 5 46 • 5	4	يا و را به * و ع نه	14 K . 5	
≥ 14000 ≥ 12000	• :	n 4a a fi to eq a fi		5 € • 1 •1 • 1	45 • 1 47 • 1	6.1	4 - 1	6: • €	-		45.5 41.4	46, 5	6 6 4 5 44 6 4	96	45.5 <u>91.</u> 4	• . • • <u>• •</u>
≥ 10000 ≥ 9000		क े • हैं करे • हैं	33.5° 14.6°	* _ + 3	10.1 50.1	ა. ჰ ი. უ	40.3 40.3	16.10 10.10	1 1 7	· , 7	• 1	- 7 - 7	7		5 ? . <u>5 -</u> . ?.	
≥ 8000 ≥ 7000	7.	.7•.		10.1	54.5 55.€3	(a.1	54.5 54.₹		5.	56.9	∵.τ	56.5	75.7 78.5	5 • 2 - 74 • 5	55.3 <u>56.</u> 3	•
≥ 6000 ≥ 5000	4	:	50.1 57.4	5€.£ 36.1	50.0 80.01	16 • 1	€ (ξ. φ. ξ. % ξ. φ. (4)	7.1	7.1 57.	57 • 1 5 • 7	57.1 57.7	5.7.1 6.7.1	7.1	57.1	17•1 38•7	7•1
≥ 4500 ≥ 4000		5.4° 54.0	5	• 1	5°•1	* % • 1	53.4 55.6	6.2.7 77	5 4 . 7	5 3 . 7	58.7 50.7	-3.7 3/•7	7 • 7 5 • 7	. 20±7.	€ 1.7 _= 2.7	
≥ 3500 ≥ 3000	1 ·	7.7	5 7	7 7 1 b	≥1.°°	1.	61.3 64.5	1.5	54.	51.0 30.02	51.7	61.5 55.7	61.4 51.2	61.6 65.1	61.1 51.2	1.
≥ 2500 ≥ 2000	4	3.4 S	6 . 7	71.2	55.1 75.7	7-, 5	56.7 76.5	77.1	77.1	υ4• • 7 7• 7	50.4 77.7	65.3 77.7	7: 4	59.8 70.1	65.4 78.1	, , i
≥ 1800 ≥ 1500	•	7.	7 • 7	71.0	76 • 5 31 • 5	75.5	77.7	74.4 14.5	7 .4	74.: 	75.5	7 - 1 - 5 - 5	75.4	74.4 5.	77.4 75.1	7 1.
≥ 1200 ≥ 1000	•	71 • 3 13 • 3	75.1 7	1.	84 . 24 34 . 4	4 . 5 6 . 5	38.8 03.1	7.1	1	77.7 51.	07.7 11.	11.	F 1.1	1.	** • ! ** <u>!</u> • *	1.
≥ 900 ≥ 800	•	70.00 10.00	7: • 3:	1.3	च हैं • व 9 5 • =	7.4	50.7 90.0	1.	· `• ?	71.0 `&•!	71.6 92.5	51.1 (2.5	ં કે. છે. જે. ઉછે.	01.7 99.1	91.1 97.4	71.0
≥ 700 ≥ 600	•		76.08	61.3 11.3	F1 + 3	27.7 .7.7	90.3 60.3	1.5	71.9 27.6	94.3	93.2 94.5	97.7 24.2	^.7•5 04•5	ر و الاراد الاراد و الاراد و الاراد و الاراد و الاراد و الاراد و الاراد و الاراد و الاراد و الاراد و الاراد و ا	03.4 94.5	•
≥ 500 ≥ 400		3	75.5 75.5		50 • 1 56 • 1	3.1 6.1	90.7 30.7	-		94.5 		94.5 95.8	94.5	64 . s	94.5	•
≥ 300 ≥ 200		?	76.0	91.3 21.3	85.1 86.1	3.1	\$ (1 . 7 \$. 7	2.0	93.6 33.4	(5 € € (2 € €	96.1 94.1	96.5		97.4 98.4	97.7 99.0	98.:
≥ 100 ≥ 0		-	74.4		-6.1								-	95.4	-	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

, CN

9#

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 114	≥ 1	≥ ¾	≥ %	≥ 1/3	≥ 5/16	≥ .	≥ 0
NO CEILING	•	, ,	4 .		G	41. • *	4	• . • .	40.	40.	47.5	40.3	. •	4	4 .	. 1
≥ 20000		3.5	4	4 🕌	# S . S	45.5	45.	• 1	u < . 1	95.	45.0	4		45.5		
≥ 18000 ≥ 16000	• 1		4	4 : • 2 4 : • 3	47.5	15.1 55.2	43.€5 45.€5	45.5 45.6	每月。5 每月。6	45.1	45.5	45.5	45.5	45.	45.5 45.5	4.
≥ 14000 ≥ 12000		46.3	44.1 47.7	41.1	4 t • f	75.5	40.5	30.5	4 . • 1	45.5	46.5 46.3	46.5	. 4 / • 1	45.5	46.5	4 · · · ·
≥ 10000	1.	27.7	• : • •			1 d • 1.	17.	? • f.	5.2.4		÷ و ټر	2.5	F7.4	52.6	17.6	
≥ 9000	1.	la .	51.	1.0.3	10.00	12.6	•	5	5.7.6	- C- S	_ o t	82.6	: ' • *	57.		
≥ 8000	3.			4. , 8	57.1			7.1		57.1	57.1	57.1	- 1	57.1	57.1	57.1
≥ 7000	· · · · ·		3 .	17.1	57 . L	7.4	17.4		57.4	57.4	57.4	< 7 . 4	t t	5.7.4	27.4	
≥ 6000	₹		•	57.1	57.4	-7.4	57.4	37.4	57.4	57.4	57.6	57.4	. 7 . 4	5.7.4	57.4	7.6
≥ 5000		· "4•5	 	27.7	58.1	78.4	5 · • ·	4	30.4	<u>"} 3 • 4</u>	3 4	5 . 4		<u> </u>	50.4	• •
≥ 4500	., .	•		5.47	20.8	€ 9 , 7	_	9.7		65.7	· 59.7	79.7	. 7	5 7 • 7	57.7	36 • ?
≥ 4000	* • *		<u> </u>	- 4	to " • 7			7	<u> </u>	67	المعالك ا	<u> </u>	• ⁷	. 😕 💌	<u> </u>	. (
≥ 3500	•	5 - 15 - 5	t 1 • °	16	6.7.6	63.0	43.0	- 4.2	er 14	€40€	. €4 • 3	54.2	+ 4 - €	64.	64.2	· • • ·
≥ 3000	•		04.67	<u>. 55.5</u>	44 . S	· · · · · · · · · · · · · · · · · · ·	67.1	7 . 4	1, 7 . 12		67.4	57.4	7 4	67.6	. [-7 +4	. ' ' • ''
≥ 2500	1 7 g A	•	67.1	. 4	40.4	70 • 3	71.0	71.5	71.7	71.3	71.2	71.3	71.7	71.3	71.5	71.
≥ 2000		. 15.	. <u>71 • f</u>	1 7 7 . 2	74 • 5	•	75.1		73 • F	76.5	. <u>75.5</u> ,	_ <u>74 •5</u> .	76.5	. <u>75.•</u> 5.	. 75 • 3	7.
≥ 1800	. • '		70.	74.2	7".5	75.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77 • ?
≥ 1500	•		·		71:4	79.7	<u> </u>		97.6	1 1 9	2.3•9,		. :• °	. i 2 • ~		. ' ' ' '
≥ 1200	• '	4.5	7			2.6	34.5	15.3	- ~ j • <u>5</u>	85.0		0.5 • 3	•	.5 • 5	15.4	-
≥ 1000			77.1		5.7 6	4 , *		7.7	7.7	+	<u> </u>	<u> </u>			, 93• 7 .	
≥ 900	13.0	10.7	77.7	. °1 • U		٠.5		25 . (4)	-	•	65.3	90.3	51 • 3	5. • 1	20.3	•
≥ 800		75.7	7 .1	71.6	> 4 . ?	. 5 - 1	19.	·) • 7			01.6	91.6	9.1.6	<u> </u>	<u>91.</u> 4	. "1 • 5
≥ 700	• '	25.	7 . 1	1		□•1	40.0				101.0	91.9	1.0	21.0	91.9	11.0
≥ 600			7.	21.7		7 . !	50°	27.3			97.3	17.3	6	193.5	73.9	82.3
≥ 500	•	1 7 • 1	75.4			1.1				9.65		C4 . 5	14.3		95.2	3
≥ 400		7	+ . 	 	44.5		91.	· · · ?		940"	75.5	95.5		75.0	95.	18 · 18
≥ 300	• '	• "	7 . 4	-1.0		7.1	21.5	13.9		35.00		76 • 1				97.1
≥ 200	<u>.</u>			:1.9	F 40 0 41	7.1	11.5		74.5	95.1	97.4	77.4	53.1	94.1	98.7	95.7
≥ 100 ≥ 0		1 75.7 1 70.7	7 .4	21.9		7.1	91.5	74.5 74.5		96.01	97.7	97.7	95.4 97.4	04.4 05.4	1,00.0 1,00.0	100 · i

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)					··	
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 4,	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	7.	41.	4	77.7 47.8	30.7	19.7	47.3	77.9	42.	30.7	37 • 7 67 • 7)	77.7	30.7	20.7 42.5	39.7	77
≥ 18000 ≥ 16000	7.	11.5	47.5		43.5	43.5	43.0				43.4	43.6	43.6		43.6	1. ² . 1.
≥ 14000 ≥ 12000	1	1 47.3 1 43.2	44.2	44.2	44.2	+4 • 2	44.2	54.2 55.0	44.7	44.7	44.5		44.2	44.5	44.2	14 6) 14 6)
≥ 10000 ≥ 9000	•	47.4	4 .	47.4	40.4	49.4	47.4	43.4	47.0		4 - 4	40.4	40.4	43.4	47.4	45.4
≥ 8000 ≥ 7000	•	1.	1 5 7	54.6	5	3.0	34.5	13.0 44.5	57.0	53.7	83.5 58.5	52.5	5.7.0	14.	53.4	43.5
≥ 6000 ≥ 5000		5.1	5°.5	54.2	54.2	4.5	54.5	4 . 5 4 . 1	£4,6		34.7	34.5 56.1	5/ .1	54.5	54.5	54.5
≥ 4500 ≥ 4000		15.	57.7	5: . 8	35.	56.1 83.7	50.1 50.7	1 7	56.1	50.1	52.7	55.1	74.1 . 50.7	26.1	56.1	5.
≥ 3500 ≥ 3000	4 .	7.7	8: •J	7.7	67.1	(1.5	57.7	1.3	61.7	5 • 1	6-1	51.3	1.1	51.3	11.3 t 2.1	11.
≥ 2500 ≥ 2000	<i>i</i>	13.1 48.4	5 . 7	75.2	77.7	73.0	71.5	71.3	71.7 74.E	71.7	71.3	71.3	71.3	71.1	71.3	71
≥ 1800 ≥ 1500		1 - 1.4 1.7	71.0	77.0	73.7	74.5	75.7	75	75.0	75.5	71.5 30.3	75.5	7	75.5	9€.4 (20.3	
≥ 1200 ≥ 1000	1.	73.2	77.1	71.4	81.	1.5	32.6	36.6	3.6	53.6	7.1	27.1	47.A	7.1	23.0	51•6 7•1
≥ 900 ≥ 800	1.	4.	7	93.3	15.7	. h . i	37.4	39.0	36.4	30.4	60.7	80.7	33.3	97. 87.3	94.7 40.7	64 33
≥ 700 ≥ 600	1.	1 70.0 1 75.3	1 pr. 1	44.5	97.1	3.1	30.7	1.6	91.6	91.0 52.9	97.6	43.0	94.2	72.0	92.9	37,0 36,7
≥ 500 ≥ 400	11.	† 73.5 ! 79.1	3 . 7	54.5 64.5	97.4	8.4	97. 3		47.6	34.P	95.8	95.9	95.1	56.1 66.8	06.1 76.t	90.1
≥ 300 ≥ 200	1.	7500	• 7	54.5 84.5	57.4	8.4	\$ 9	(2.6 67.0	92.5	96.5	98.4	99.1	59.4	98.7	38.7	99.4
≥ 100 ≥ 0	1.	77.	37.07	14.5 04.6	37.4	3.4	30.4	12.9 22.9	92.5	97.1	99.	90.7	187.8 18.0			00.0

TOTAL NUMBER OF OBSERVATIONS

*17

DIRNAVOCEANMET SMOS

MM

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	7	78 .1 ;	3 . 1	5 .5 44.0	37.8	79.9 44.4	30.0	64.6	44.1	43.1	44.7	# 1 ## . 7	44.5	4	44.0	44.4
≥ 18000 ≥ 16000	14.	1	43.6		44.5	υ μ , ς	44.6	64.7	44.7	44 • 5	44.2	44.3	44.9	44.9	44.5	64.5 44.9
≥ 14000 ≥ 12000	13.5	+.7. ** ::4	43.3	84.3 65.0		44.3	46.4	45. °	4	45.1	45.1		45.2	45.7	45.7	4:02
≥ 10000 ≥ 9000	7.	_ 1	47.3		57.4 58.8	50.4 55.4		ິ (• 6 ເ	9 1.6 5 3.6		5 9 50-3	50.3 50.8	5°.9	÷0.9 50.7	30,0 54,0	€ }. 5 • 0
≥ 8000 ≥ 7000	, T	1.7	57.J			54.4	54.5 55.6	24.6 25.7	54.6		54.9		54.9	54.8 55.9	54.8 55.9	-4.3 55.9
≥ 6000 ≥ 5000	:1.	2.5	54.0	. 14.9 35.6	56.5 56.0	- (55.8 57.3	56.0 57.5	50.0 57.5	56 • 1 57 • 6	56.1 57.6		51.7	56.2 57.7	56.7 57.7	57.7
≥ 4500 ≥ 4000	7.1	33.0	57.4	56.7 58.1	57.5 59.1	17.8 12.4		50.2 19.9	50.0		57 • 7 60 • 0		52.4 57.1	58.4 60.1	55,4 50.1	/ 1
≥ 3500 ≥ 3000	· 2 •		50.₹ 8 °• 1	6 • 1 6 • 3		~1.5 43.9		66.7	e?•" 56•7	52•1 66•3		• •	67.3	t 2 • 2 €7 • 5	52.2 67.5	67.6
≥ 2500 ≥ 2000	4 • 5	42.1 45.2	6 . 7	67.0 71.1	50.4 72.0	69.1 73.7	69.6 74.5	75.	70.0	70.7 75.5	70.2 75.3	75.2	7 . 3 7 . 4	70.1 75.4	75.4	7 4 . 4
≥ 1800 ≥ 1500	#3 • 7 • • • 1	5.5.7 16.64	77.3		74.2 78.2	75.5 79.3	75.0 80.9	74.4	75.4	76.7 02.2	76.7 92.2	76.7	75.2	76.8	76.8	त्रह•्व १,2•4
≥ 1200 ≥ 1000	1	7 .	74.9	77.8 79.5	87.7 82.8	2.5 4.4	33.7	F4.6	64.7 37.6		55.2 53.4	35.2 88.4	55.3 38.6	95.3 85.6	63.3 68.6	55.7 78.4
≥ 900 ≥ 800	• 5	71.	77.1			15.7 15.4	27.8 58.3	99.1 97.4	30.7 0.1.6		91.7	95.2 91.7	91.9	93.4 91.5	93.4 21.7	71.9
≥ 700 ≥ 600	+ 5 • € 8 9 • €		1	11.4		7.2 57.6	89.7 91.3				93.r 93.7	97.5		73 o 2 94 o <u>.</u>	34.1	7
≥ 500 ≥ 400		1	77.7		95.7	77.9	91.2	:		64.4 95.4		94.9	96.7	96.7	95 . 4 96 . 3	95.4 98.9
≥ 300 ≥ 200	. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1 -1 !	77.7	31.6	65.5 85.8	88.3 38.0	91.4	73.6 93.7	94.7		97.5	_		97.9 93.5	1	0 6 . 1
≥ 100		71.4	77.7		95.a	8.	91.4	3.7 33.7	24.1						99.7	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

41

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)	-					-
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	3.	1.1 · 1			45.7	43.5	44.0 47.9		44.1	44.0	44.0		44.7		44.7	
≥ 18000 ≥ 16000	ाँ र √ र • ??	45.	4 ~ . 1		46.8	47.2	47.9	47.9	1		47.9				47.9	
≥ 14000 ≥ 12000	() () () () () () () ()	47.5	41.1	46.5	46.8	47.2	97.4	47.9 50.4	47.7		47.9 50.4	47.9 50.4	47.9 5°.4	47.9	47.9	47.9 50.4
≥ 10000 ≥ 9000	Δt. •	50.3 50.7	51.1 51.1	51.4 51.4	51.P	~2.1	53.2 53.2	53.2 53.2	53.7 53.7	53.7 53.2	57.2 53.2	53.2	53.2 53.2	53.2 53.2	57.2 53.2	. 53.2 153.2
≥ \$000 ≥ 7000	કે. ફ ્રેક્રેક્	53.6	55.7	55.3 50.0	56.4	56.7 56.7	57.1 57.1	57.1	57.1 57.8		57.1 57.8	57.1 57.6	57.1 57.8	57.1 57.8	57.1 57.5	57.1
≥ 6000 ≥ 5000		56.7	50.4 51.5	56.7 58.9	57.3 59.2	57.5 59.6	58.5 67.6	F(.5	53.5 63.5	5. • 5 € 3 • 6	58.5 60.6	57.5 (0.6	5°•5 6°•5	1	58.5	50.5
≥ 4500 ≥ 4000	· 1 • 1	57.1 59.5	53.9 61.0		57.5	58.9 58.1	61.	61.0 93.1	61.7	61.7 53.1	61.7 63.1	(1.0 63.1	61.0	51.0 53.1		61.
≥ 3500 ≥ 3000		2 • 1 54 • •	67.8 67.7	64.5	£4.9 53.2	45.5 69.7	56.7 70.9	56.7 73.9		56.7 7:.9		56.7 70.9	66.7 7".9	1 2 7	66.7 70.9	96.7
≥ 2500 ≥ 2000	4°•	73.4	71.7	70.7	1	72.3	73.4		73.8 53.0	73.8 23.0	73.8 33.0	73.8 53.3	73.3 <u>23.7</u>	73.8 .53.	73.7 63.3	73.5 كەنگە.
≥ 1800 ≥ 1500	· .	75.2			34.	13.5	24.4 27.2	**************************************	-	84.5 87.5	34.P	34.3	27.9	57.5	64.8	. 84.2 . 87.9
≥ 1200 ≥ 1000	1 ? q ?	77.5			24.8		87.9 91.1	45.3 41.9	91.5	58.3 92.2	94.7	58.7 92.6	97.6	92.5	88.7 57.6	1 8 6 • 7 1 2 € • 5
≥ 900 ≥ 800		74.0 78.0		10.5	27.9	99.7	91.1	71.6 73.3		92.2 93.6	92.6		99.6	94.5	92.6	32.6
≥ 700 ≥ 600		7E.4		66.2 85.2	99.7 98.7	31.1	93.6 93.6	74.3 74.3	94.3		95.0 95.0		95.0		95.0	75.0
≥ 500 ≥ 400	_ i	78.4 78.4		86.2 86.2	89.1	71.5 71.5	94.0 94.7	75.4	94.7	95.4 96.1	95.7 95.5			1 = -	96.5	
≥ 300 ≥ 200	93.7 47.7	75.4 78.4	33.7 33.7	56.2 36.2	89.7 89.7	91.5	94.7	35.4	95.4	96.5 96.8	97.7 97.9			58.2 100.0		98.0
≥ 100 ≥ 0		75.4 75.4	53.7 83.7		89.1 89.0	91.5	74.7	95.4		96.6	97.9		1	190.0 190.0		

TOTAL NUMBER OF OBSERVATIONS 232

DIRNAVOCEANMET SMOS

1 4

CEILING VERSUS VISIBILITY

118 . IL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) ≥ 1% i ≥ 1% ≥ 21/2 ≥ 2 ≥ 5/16 44.3 44.5 NO CEILING ≥ 20000 47.9 ≥ 18000 ≥ 16000 47 . 5 47.0 47.9 47.9 47.0 47.9 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 <u>≥</u> 8000 7000 56.0 55.0 55.0 <u>}</u> 6000 5000 56.9 4500 4000 <u>≥</u> 3500 3000 78.6 79.7 77.7 1500 5.5 87.6 99.0 900 800 90.1 91.9 91.8 <u>></u> 700 600 90.8 92.6 91.8 93.6 93.6 93.6 92.6 94.7 94.7 95.0 68.7 92.6 39.0 92.3 59.4 92.9 95.0 95.0 95.7 97.2 39. 92.9 25.0 25.0 88. 92.9

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) ≥ 1% | ≥ 1% 43.4 41.5 41.8 41.8 41.5 41.5 41.5 41.8 ≥ 18000 ≥ 16000 42.9 43.6 45.6 45.0 45.7 43.6 43.6 44.7 45.0 45.0 45.0 45.4 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 49.7 SO.D 50. 50.7 50.C [4.3 55.3 55.7 55.7 55.7 6000 5000 57.5 58.5 57.6 57.9 59.7 55.0 39.5 61. 61.4 61.4 61.9 61.4 61.4 61.4 61.4 ≥ 3500 ≥ 3000 51.7 62.8 62.2 63.3 64.2 64.7 64.2 63.8 58.8 59.8 59.8 68.4 68.8 59.5 A9.6 1800 77.4 79.4 35.9 21.7 21.2 91.2 81.2 B1.9 81.9 1200 1000 25.5 88.3 89.5 89.4 36.2 46.5 89.0 39.7 89.7 90.4 75.2 22.6 89.7 50.8 97.8 92.2 58.4 75.2 92.6 86.5 (6.9 98.1 91.1 91.1 72.6 92.6 97.8 31.8 02.7 32.6 56.5 7.2 70.7 57.9 91.5 22.9 93.3 25.7 63. 1 87.2 47.9 91.5 2.9 93.3 95.7 10. 7 58.4 76.4 83.5 27.2 57.9 91.5 92.9 93.7 95.7 7.9 91.5 92.9 93.3 76.1

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '₄	≥ 0
NO CEILING	7.		30.00			35.3	39.0	-		34.4	1 1	39.4	30.4		34.4	1
≥ 20000	· · · · · · · · · · · · · · · · · · ·		34.7		43.4		41.9			42.2	42.2	42.2		47.	47.2	42.2
≥ 18000	,	36 - 2	- T . T .		4		41.5	12.2	42.2	42.2	42.2	42.2			42.2	
≥ 16000	• 1		30.7		4 . 4	41.1	41.8	4 2			42.2				42.7	+
≥ 14000 ≥ 12000	1 3 € 1	36.5	39.4		41.1	41.3	42.5	42.9		42.9	42.0			42.0		47.5
2 12000		37.5	4 . 4			42.9	44.1	44.3	44.3	44.5		44.3			44.3	44.3
≥ 10000 ≥ 9000	2.4		44.0		46.6	47.5	48.6	49.0	40.0	45.9	48.0			7. • /	48.9	. 50.0 0.02.
	2440	41.1	4 C	46.1	47.5		49.7	10.C	50.0	50.0			*C.D	50.0	2101	
≥ 8000 > 7000	25.2		45.6	49.7	53.0	3 • 2		95.0	55.5	55.0	55.n	55.0		55.0	. 55.0	
	7 • 3		5~."	51.1		15.0	56.0		56.7	56.7	56.7		56.7	56.7	56.7	54.7
≥ 6000	77.7	47.2	51.1	52 • 1	55.0	56.4		54.2	5A.2	58.2		56.2		_	59.2	59.2
≥ 5000	. ? · 4 • · 1		57.1	53.2	56.4	57 . t.		59.6	39.6		59.6			59.6		. <u>-53 - 5</u>
≥ 4500	25.	45.0	52.5	F 5 + 6	56.7	£3.2	59.2	9.9	50.0	59.9		59.9	59.9	50.9	59.3	20.3
≥ 4000		49	₹3.6	54.6	57.8	59.2	50.3	61.0	61.0		61.4	61.4	61.4	61.4	61.4	61.4
≥ 3500 > 3000		50.0			50.9	€0.5	51.7		62.4	£2.5	62.8	62.8	67.6		62.R	67.
≥ 3000	··· • 4			57.1			63.6	84.5		64.9	64.9	64.0	64.9	64.9	* 4 • >	. <u>६५.५</u>
≥ 2500			50.0		- 1	57.0	63.4			69.9	1	69.9	50.9	65.5	69.9	69.9
≥ 2000) • <u>•</u>		63.5	55.3	69.5			75.2	75.2		77.7				<u>, 7.7.•</u> 7	. 77]
≥ 1800		58.5	64.0		70.9	74.1	76.2		77.7			79.1			79.1	79.1
≥ 1500	1.	.0.0	64.7		73.8	77.7	80.5	32.3	12.3		23.7	e3.7	64.4	33.7	33.7	. § 3 • 7,
≥ 1200	11.	5 . 6	67.1	-	75.9	79.8		4.4	84.9	25.9	86.2			86.3	86.5	96.5
≥ 1000	1.	(1.4	65.8			-2.3	85.1			89.0	89.4	89.4	63.1	30.1	90.1	9: •1
≥ 900	33.5	51.4	66.5	72.3	75.4	25.6	45.5	\$7.2	37.0	89.4	30.7	89.7	30.0	90.4	90.4	92.4
≥ 800	11.	51.4	69.5	73.1	79.4	84.0	86.9	99.0	89.0	91.1	51.5	91.5	52.2	92.2	72.2	92.2
≥ 700	31.0	61.4	63.5	75.1	79.8	34.8	87.6	29.7	89.7	91.8	92.2	92.2	97.9	02.0	92.9	
≥ 600	31.	01.4	69.5	73.1	79.8	94.8	87.9	50.1	07.1	92.2	92.6	92.6	93.3	93.6	93.6	93.t
≥ 500	11.0	61.4	60.5		79.8	35.1	88.3	93.8	9 C • P		93.5	94.7	94.7	95.0	95.0	95.05
≥ 400	1.7	61.4	69.5	73.1	79.8	35.1	88.3	90.8	90.8	93.6	94.3	94.7	95.4	95.7	95.7	95.7
≥ 300	11.0		69.5		79.3	45.1	28.7	90.3	33.8		1	95.1	96.8		97.2	ı
≥ 200	71.7		69.5		79.8	85.1	39.3	350 8	90.8	94.3		97.2	98.2	98.9	99.3	99.3
≥ 100 ≥ 0	33 • ○	1	60.5		79.8	55.1	18.3	a J • 8	7).º	94.3	1 1	97.2			99.7	
L ≥ . ° .	31.6	61.4	67.5	75.1	79.5	85.1	18.3	97 • A	91.08	94.3	96.5	41.5	0.00	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATU?" MIL	ES)	<u>-</u>					
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 1.	≥ 0
NO CEILING ≥ 20000	7.	37.2 42.0	3 - 7	39.4		19.7	45.1 46.1	90.1 46.1	40.1 45.1	40.1 46.1	40.1	40.1 45.1		1	47.1	
≥ 18000 ≥ 16000	./ .↓. :⊒	42.6	44.0	44.7		45.7	45.1 45.1	46.1 46.1	46.1 46.1	46.1	46.1	46.1 46.1	45.1	46.1	45.1	46.1
≥ 14000 ≥ 12000	70.5 3.1	42.6	44.7	45.7	45.4	45.7	46.1	46.1	46.1	46.1	45.1	46.1	46.1	46.1	46.1	
≥ 10000 ≥ 9000	13.7	48.3	50.0 50.4	51.1 51.4		52.5	52.5 52.8	52.5 52.8		52.5 52.8	52.5	52.5 52.6				52.5 52.8
≥ 8000 ≥ 7000	35 . S	51.3 52.1	55.0 55.3	51 . G		₹7.5 ₹7.8	57.A	57.8 58.2	57.6 58.2	57.8 53.2	57.8 55.2	57.8 58.2	57.8 50.2		57.8	57.8
≥ 6000 ≥ 5000	75 • 1 20 • 2	52.1 52.0	55.7	56.7 57.5		66.2 59.2	58.5	59.5	50.6 57.6		58.5 :9.6	52.5 59.6		58.5		50.5
≥ 4500 ≥ 4000	75 • 7	52.0 53.0	57.1	53.2	59.2	79.5	59.9	59.9 (1.0	59.0 61.			59.9 61.0	50.9 61.0	61.E		50.9
≥ 3500 ≥ 3000	3e+3	53.9 50.2		59.6 65.3	61.0	61.4	51.7 68.1	51.7 63.1	51.7 60.1	:	61.7	61.7	61.7			51.7
≥ 2500 ≥ 2000	4		57.0	58.8 72.3	i	72.0 76.2	77.0	72.3	72.3	72.7 76.0		72.7				72.7
≥ 1800 ≥ 1500	4.	64.5	- 1	73.4		77.7	78.4 83.0	-		79.4. 54.8	79.4 85.1			-	79.4	70 . u
≥ 1200 ≥ 1000	≈2.7 -2.6		76.8	79.1		04.9 66.2	85.1		86.5		90.4	97.6 99.4	97.9	87.7 71.1	57.9 91.1	67.9
≥ 900 ≥ 800	12.5	£2.0 €3.8	7: .2	80.1		36.€ 67.€	88.3		89.7 91.1	90.4	- 1	- 1		93.6		93.6
≥ 700 ≥ 600	32.A	69.2		43.5 25.9	- 1	37.9	90.8		92.2		94.3	94.3		95.4		95.4 95.5
≥ 500 ≥ 400	42.6	69.5	77.7	£5.9	86.2 86.5	9.0	91.8	03.3 03.6	93.6 94.0			95.7 97.2			97.2	97.2
≥ 300 ≥ 200	+2+5 42+5	69.5 69.5	77.3	81.2 81.2	86.5	29.4	92.2	33.€ 93.6	94.0 94.0	95.7 95.7	97.2		98.9	98.9	98.9	98.9
≥ 100 ≥ 0		69.5 69.5		61.2 81.2		89.4	92.2	93.6	74.7		97.2	97.2	99.3	99.3		0.00

TOTAL NUMBER OF OBSERVATIONS

282

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	3 , • 5	48.3	40.3	42.5	-1	42.0	47.7	43.6 59.7	- 1		47.5	42.6	47.5	47.6		42.5
≥ 18000 ≥ 16000	5 % . F		40.3	44.3		49.7		47.7	49.7	49.7	40.5	40.7	45.7	49.7	40.7	40.7
≥ 14000 ≥ 12000	31 . 2	43.0	51.0	51.4	50.4 51.8	10.4	5° • 4	50.4	5 ° • u		50.4	55.4	50.4	50.4	a0.4	51.4
≥ 10000 ≥ 9000	:7.	1 . 1	52.4	52.8	53.2	3.2	53.2	53.2	53.0		53.2	53.2	53.2	53.2	\$1.2	53.5
≥ 8000 ≥ 7000	L.		54.0 56.7	56.0	54.4	56.4	55.4	56.4 57.5	56.4	50.4	36.4	50.4	54.4		56.4	56.4
≥ 6000 ≥ 500%	4 .	55.3 55.7		58.2	50.5	18.5				50.5	54.5	58.5	50.5	58.5		
≥ 4500 ≥ 4000	41.	55.5	50.5		59.6				60.3	50.3	67.3	60.3	60.7			
≥ 3500 ≥ 3000	12.6	- 1	62.4	63.1	63.8	64.2	54.5	54.5	54.5	64.3		64.5	64.5		- •	64.5
≥ 2500 ≥ 2000	40.5	55.6 7:.6	69.5 74.8	78.E	71.3	72.0	72.3		72.7	72.7	77.7	72.7	• .	72.7	77.7	77.7
≥ 1800 ≥ 1500	4.5 . 4		75.2	77.7	70.4	F0.5	81.7	01.9 06.5			87.3			82.3 80.9		87.3 86.9
≥ 1200 ≥ 1000	, u		81.9		35 • 1 36 • 2	-6.2 -7.2	85.9	49.7		38.7 9. • 1	89.4		£.?•#		99.4	29.4
≥ 900 ≥ 800	C = 4		,	93.7	84.5	39.3	97.1	\$1.1 \$1.3	91.5		92.9	92.9	54.7	93.7	93.3	97.3 64.7
≥ 700 ≥ 600	50•4 10•4	75.5 75.5		84.4 84.8	37.6 37.9	49.7 70.1	91.1				95.4 96.1		75.7 96.5		95.7	55.7
≥ 500 ≥ 400	 	75.5 75.5	81.9 81.9	24.8	97.9	90.1	91.5			95.0 96.1	97.2	97.2	77.5		97.5	97.5
≥ 300 ≥ 200	• 4		81.9	£4.8	87.9	90.1 40.1	91.5	03.6 93.6		96 • 1 96 • 5	98.2	98.2		98.6 100.0		ſ
≥ 100 ≥ 0	70.4	75.5 71.5			57.0 97.0	90.1	91.5	03.6			98.9			100.0		

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

. 48

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ 14	≥ 5/16	≥ '.	≥ 0
NO CEILING ≥ 20000	51.4 32.4	47.5	41.3	47.9	43.3 51.1	43.3	48.3 51.1	43.3 51.1	43.3 51.1	43.3 51.1	42.3 51.1	43.3	43.7 51.1	43.3	43.3	47.3
≥ 18000	35.3	47.5	49.3	51.4	51.1	1.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	*1.1
≥ 16000	35.0	47.5	40.3	. 4		-1.1	51.1	51.1	51.1	71.1	51.1	51.1	51.1	51.1	51.1	<1.1
≥ 14000 ≥ 12000	34.2	47.9	40.7 57.5	53.5	54.3	[].s	51.9 54.6	54.6	51.9		51.8		54.5	51.5	51.8	51.5
≥ 10000	7	57.1	55.3	56.4	57.1	:7.5	57.5	57.5	57.5		57.5	57.5	57.5	57.5	57.5	_ <u>54 e 6</u> 57 e 5
≥ 9000	30 . 7	52.6	55.7	56.7	57.5	77.6	57.8	57.8	57.A	57.6	57.8	57.8	7.8	57.5	57.8	57.8
≥ 8000	40.	5.0	57. 8	F. 5 . 9	1	: 6 . 4	59.9	20.0	50.0		59.9	59.9	50.0	59.0	59.9	£ \$. ?
≥ 7000	4	45.7	58.2	9.2	50.9	10.3	<u> 50.3</u>	<u> 20.3</u>	60.3	63.3	60.3	<u> </u>	£ - 3	60.3	60.3	5, , ?
≥ 6000 ≥ 5000	11.5	56.4	5 . 7	59.6	60.7	60.5 c2.4	60.6	50•6 62•4	60.6	60.6	67.6	50.5	67.4	50.6 62.4	67.5	-65.e6 -62.e
≥ 4500	1 . 5		£1.	12.1	67.8	(3.1	63.1	13.1	63.1	63.1	63.1	63.1	53.1	43.1	07.1	63.1
≥ 4000	-2.3	59.5	62.4	53.5	64.5	64.9	64.5	44.9	64.9	64.9	€4.5	64.9	60.9	54.5	64.0	44.7
≥ 3500	43.6		63.5	64.0		67.	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	1. 4 . 1. 3	67.0	72.3	70.2	72.3	73.1	77.1	73.4	77.7	77.7	73.9 78.0	73.8	74 . 1	78.4	74.1	<u> 7 - 1 - 1 </u>
≥ 2500 ≥ 2000	45.4		75.5	78.7	61.0	43.3	93.7	^3.7	83.7	83.7	24	84.3	54 4.	10 · 4 ·	94.4	04.4
≥ 1800	45.	76.02	7: . 2	79.4	# 7 · D		34.4	34.8	84.4	84.8	85.1	85.1		25.5	85.5	25.5
≥ 1500	45.1	74:09	77.3	81.2	84.8	P6.2	66.2	37.2	57.2	37.2	87.6	97.6	87.9	87.5	37.0	87.9
≥ 1200 ≥ 1000	46.1	71.6	76.0	62.3	85.8	27.2	a7.2	33.3	68.3	88.3	88.7	88.7	89.0	89.0	89.0	99.0
	46.0	73.1	8 .1	P4.8	89.4	01.1	91.5	52.9	52.4	92.9	93.3	93.3	94.8	24.3	94.0	94.7
≥ 900 ≥ 800	46.	73.4	80.9	85.8	90.1	1.8	72.2	93.6	53.5	94.7	95.0			95.7	98.7	95.7
≥ 700	46.4	73.4	80.9	85.8	90.1	92.2	97.5	94.3	94.3	95.4	95.7	95.7	96.5	96.5	96.5	76.5
≥ 600	46.8	73.4	80.9	85.0	90.1	02.6	92.9	74.7	95."	96.5	96.8	96.4		97.5	97.5	97.5
≥ 500 ≥ 400	46.7	73.4	85.9 90.9	80.2	98.4	72.9	93.5	95.0 95.7	95.4	96.8 97.5	97.5 98.2	97.1	98.2	98.2	98.2	98.9
≥ 300	46.0	73.4	3 .0	86.2	013.4	62.9	93.5	25.7	06.1	97.5	98.2	95.2	97.9	93.9	58.9	95.9
≥ 200	45.0	73.4	an. 9	84.2	97.4	72.9	93.5	95.7	96.1	97.5	76.2	98.2	99.3	97.3	99.3	99.3
≥ 100	45.	73.4	A		91.4	72.9	93.6	95.7	56.1	77.5	98.2	08.2	99.3	99.3		100.C
≥ 0	40.	73.4	81.9	86.2	95.4	92.0	93.6	75.7	96.1	97.5	96.2	95.2	90.3	90.5	49.3	100.0

TAL NUMBER OF OUSERVATIONS

_sti viE , it

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/3	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '.	≥ 0
NO CEILING	74.	- 7 • 4	42.	45.0	- 1	15.4	4 5 . 6		- 1	45.4		45.4			45.4	1, E , Q
≥ 20000		H 2 g 3	4 3 , 7	•	°. ° • 14		50.b		1.1.4		57.4	57.4			<u> </u>	·
≥ 18000 > 16000		4.0	4 4 . T	4	5	- 1 3 - 4 √ - 5 - 60	التاما	4	1.3.6	5.1.4	57.4	55.4 55.4	57.4	50.44	\$Q.44 0.34	₹ £ • 4
-		5		├ . • . 1	- 7					5 . 7			55.7			- 들박
≥ 14000 ≥ 12000	- 32 • 3 - 19 • 4	45.6 7.03.71	51.4		5 7 . 19	3.2	53.2	3.2	्र • १ ५ २ • १	53.2	53.21	50.7	57.0	58.7 53.2	() ·	
≥ 10000	1.	1.		52.0	34.6	4	5 9 . 5	-4.6	~4.4	54.6	-4.6	34.6	54.5	F.4 . 1	34.5	44.0
≥ 9000	1.5	11.	5.3.2	63.0	14.6	4 . 5	54.6	=4.6	.4.4	54.0	54.6	54.6	64.6	14.0	34.6	4.5
≥ 8000	7.6	.4.	54,00	5 7	57.5	57.E	57.5	57.5	7.5	57.5	57.5	57.5	57.5	37.5	57.5	17.5
≥ 7000	4.3	35.	57.5	?	57.00	:5.9	58.9	58.9	58.9		5-1-0	<u> 53.69</u>	30.0	50.5	58.9	
≥ 6000	14.7	t 4	5	59.2	50.0	6.0	57.	63.9	50.9		50.0	6 9 9	5 . 0	59.3	53.0	[] . O
≥ 5000	14 3	7.1	• 6	. 3	51.	1.	61.0	1.0	-1.	41.0	61.6	61.	<i>f</i> 1 • 1		51.	
≥ 4500 > 4000		୍ରିଲିକ ଅ	6).4 64.2	67.1 64.9	57.5	42 • 4 - 76 • 5	52.8 66.1	62.4 6.0	53.00 56.00	6.2.5 60.1	-62.3i -5€.⊓	63.6	42.0		68.0	- (. •) - (. •)
≥ 3500	1. 1	73.1	5003	56.	67.	7.	67.0	47.0	67.5	67.	67.	50 (1)	£ 7 • S	· · · · · · · · · · · · · · · · · · ·	67.7	
≥ 3000 ≥ 3000		.0.	57.7	70.2	71.0	72.6	72.	77.00	72.	72.0	77.3	70.0	77.0	72.	72.	-
≥ 2500	•	L + 4	77.00	73.4	74.8	75.5	75.5	75.5	75.	75.	75.5	75.5	75.5	75.5	7.	ا عودة ا
≥ 2000	. 7	74.	7 . 4	75.8	91.2	12.3	9.7	- 6	37.K	5 .6	₹7.6°	02.5	57.6	. 42.6	\$2.6	اغ ۾ ٿ
≥ 1800	1		8 . 1	31.6	हर ् ड	4 . 4	14.4	14 . 5		94.3	. u . i	54.3	5 4 • B	84.5	£4.2	34 € 5
≥ 1500	1 • •	76.7	91.2	3.3	75.8	9.0	67.2	7.0	37.6	87.5	<u>. 6.7 • *.</u>	<u>. 67.6</u>		. ₹7•€.	0.7 • 6.	77.
≥ 1200 > 1000	1.	77.	87.6	0 4 • 8 0 3 • 3	27 • 5i	2.9	59. 1	- TO 4	F € • 6	90.4	87.w	89.4		0.4	89.4	5 G . 3
		72.4	18.1	9 3		72.5	93.6	****	7 4 4	04.3	74.3	<u> </u>	-			
≥ 900 ≥ 800	2.1	1 (1	64.5		03.3	04.7	24.3	35 5	35 8	24 - 3,	9 . u	. 14 . 1 . 25 . b	- 24 e u - 35 - 4	95.4	34 a 3
··	. 1	73.7	F 5 . 1	5.3.3	71.	9.3	C 4 . 7	75.7	0 5 . 7	26.2	75.1	06.1	75.0	76 . 1	46.1	56.1
≥ 700 ≥ 600	. 1	78.7	35.1	15.3	91	3.5	95.0	5.1	96.1	30.5	96.5	76.5	36.5	76.0	96.5	
≥ 500	2.0		65.5	80.3	47.4	4.3	06.1	7.5	97.	93.2	98.2	93.2	63.6	95.6	98.6	95.6
≥ 400	7 . 5	71.4	85.5	= 4.4	95.0	24.7	76.5		37.0	98.9	93.9	78.9	39.	96.5	90 T	ं १३ • ₹
≥ 300	7.	72.4	33.5	H 7 . 4	92.9	94.7	96.5	77.9	95.2	79.3	,	97.5	97.7	59.7	70.7	39.7
≥ 200	- · ·	75 - 4		55.4	97.9	24.7	94.5		09.2			99.	<u> </u>	99.7	99.7	90.7
≥ 100 ≥ 0	7.5	78.4	3 · ·	80.4 00.4	97.9	04.7	76.5	97.9	99.2	79.3		97	97.7	99.7	100.0	
		/ 2 6 14	n : 6		7/67	7.0	7003		70 € €	- 7 6 3	7 7 6 3	7743	_ , ,,	770		<u> </u>

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '+	≥ 0
NO CEILING ≥ 20000	1.	47.7	45.4	41.5	46.0	47.0	47.4		47.0	47.5		47.5		42.±	47.5	4.2 . 5
≥ 18000 ≥ 16000	1.	43.8	45.7	46.2	46.0	-7.r	47.4		47.5		7 1			47.5	47.6	47.1
≥ 14000 ≥ 12000		44.7	45.7	40.6	47.2	47.4	47.8	1	7 1	. •	47.0				44.5	47.5
≥ 10000 ≥ 9000	-	48.2 93.4	50.7 50.5	31.2 31.6	52.4	2.3 52.6	52.3	;		52.8 53.2	52.0 93.0	52.8			57.0 53.7	
≥ 8000 ≥ 7000	76 • cs	Ī	53.5	56.9 55.6	55.0 56.5	75.1 50.5	انت سد سا		- 1	57.5	51 . 7. 57 . 5.			, , , ,	56.0	57.5
≥ 6000 ≥ 5000	7.1	53.6	55.1	57.9	57.7	97.6	50.1 50.0			50.2 59.9	50.2	9.02	5 1 • 3 5 1 • 5	18.3 €9.5	59.3 67.0	13.3
≥ 4500 ≥ 4000	•	5.	57.4		57.7 61.8	*! • 1 (2 • 1		57.4 62.6		63.0 5°	60.3 60.9	62.9	67.0 67.0	52 • 1 52 • 1	57.4	£ .5
≥ 3500 ≥ 3000		57.4 72.5	64.7	59.3 66.4	65.6			*4.8		64.9 69.5		69.5	1,6 . 1 59 . 8	54.5	54.5 69.5	64.9 54.5
≥ 2500 ≥ 2000	3.5	67.5	67.3	-	77.0		70.5		73.1		73.3	73.3 80.3	73.4	75.4	77.4	~ , .
≥ 1800 ≥ 1500	43.	7.04	7 . 1	76 + 1 7' + 8	73.6			11.3		91.5 95.3	31.6 85.5	1.6	1.7	31.7 95.0	61.7	51.7 53.6
≥ 1200 ≥ 1000	4 . 5		77.4	50.3	33.4	74.7 77.4					11.0	97.5 91.0		7.5 01.4	87.6 81.4	01.4
≥ 900 ≥ 800	1. 12		7:07	87.3	56.1 86.8	3.7				91.2		1.5	61.5 57.4	3.4	91.9	11.4
≥ 700 ≥ 600		72.3		37.9 83.1	27.2 37.3	69.1 9.5			72.59 63.7		94.1 94.7		94.5	95.2	94.5 95.2	75.5 31.4
≥ 500 ≥ 400	.4. 7	72.4 72.5	7:1.7	53.3	97.5	ે છે. દે ે હે • 1	97.7	23.8 74.3		96.1				76.5	96.5	€ 6 . C - 4 7 . E
≥ 300 ≥ 200	44.7		77.4	93.5	"7.8 87.8	*3.1	92.5 52.5	4.4	94.6	96.3				98.2	99.1	40.7
≥ 100 ≥ 0	44.7	72.5	1	93.5	-	50.1			Q 4	6.05	1				99.6	

STAL NUMBER OF OBSERVATIONS 725

CEILING VERSUS VISIBILITY

- HOURS .. 5 , --

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						_
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/3	≥ 2	≥ 115	≥ 114	≥ 1	≥ 4	≥ %	≥ %	≥ 5-16	≥ .	≥ 0
NO CEILING ≥ 20000	1.	1. 6. g. 64	44.5		4× 7	43.7	85 . Z.	•	4	4	4	4	4	45.	4	• •
≥ 18000 ≥ 16000	.1.	ં ક ું ધ ્ય		1. · . · . · . · . · . · . · . · . · . ·	43.7	50 . 7	47.	25	4	4 .		4		<u></u>	1.00 . 1 4 5 . 1	
≥ 14000 ≥ 12000	7 . č	15.0	4 .		4	-9 • T	40.4 50.7	35 . h	7 7	82 y . la			45.4	7.7	41.	6
≥ 10000 ≥ 9000		1.	51.7	11.3	51.9 51.9	1.	57.3 57.3	7. • . i		13.5	13.5	73.3	, ,			
≥ 8000 ≥ 7000	, i , i		5 !	f f	54.5 57.1	°6 • ∄ °7 • 1,	74. n	7.4		5 6) . 5 7 . 4	3.3	7 7 4	7/ , A	7.	57.1	
≥ 6000 ≥ 5000	• !	7.7	57.1 54.7	57.1 56.7	57.1 65.7	"7 • 1 "8 • 7	5.7 g	7.0	7.4	57.4	7.0	57.4	· · · · ·		17.1 36.4	
≥ 4500 ≥ 4000	, 4°		50.7	1.7	50.7 51.	10.7	62•1		• `•	• . • .		€ 3.5° € 2.6.5°			Un.≀ U?•=	•
≥ 3500 ≥ 3000		~Y•A	57.6 5.7	63.9 €3.65	£ 7.5	6.1	54.2 55.5	₹4.7 86.2	45.5	(5.0°)	64.2	60.0	24.7	14 55 .	27.1	
≥ 2500 ≥ 2000	1	1.		7: • 5	77.1	77.1	77.7	7.1	· · · · · · · · · · · · · · · · · · ·	7 . u	7	7	7 .7	70.7	70.7	7
≥ 1800 ≥ 1500	• 7		70.7	76.7	17.1	77.4. 7.0	70.1 23.0	5.4	7 4	7.07	79.7 33.1	70.7 3.4	77.1.	70.	20.4	•
≥ 1200 ≥ 1000		75.1	3	37.00	4 . 4	3.c	54.2 2.5			7 7 c • .	િંક, .ે -હુક્કે,	4.4		71.	્રે . દ ે જુકા . વે	7.5.
≥ 900 ≥ 800	50. 50.	77.	21.0	5 · Gi		5 • d 5 • 5	37.4	7.7	47.7	37.4	(7.4) 0.5.4	47.4 05.4	77.7	7.7	25.4	•
≥ 700 ≥ 600			81.6	23.0	निक्री क्यं ्री	7.7	30.7	79.0	33.1 53.5	54.7	25 . 7	88.7 99.7	E	7. • 3	49.7 49.7	
≥ 500 ≥ 400			0 2 , 7	5 4 6 2 5 6 6 8			-1 · Y				0	<u>८२.५</u> ७४.७	31.2	93.	93.6 93.5	77.
≥ 300 ≥ 200	· 1	77.7		· i, , įς		.9.7	91.0	-2.5	C	चक्र दे १५∙		94.5	95.8 97.1	93. 97.4	96 . 1 97 . 7	· .
≥ 100 ≥ 0		77.7(77.7		্রিদ্ধার শিক্ষী		1	91.9			95.5		-				

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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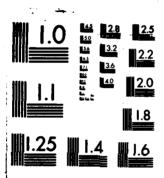
CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING								VIS	IBILITY (ST	ATUTE MII	.ES)							
(FEET)	≥ 10		≥ 6	≥ 5	2.4	≥ 3	≥ 21/5	≥ 2	ביו ≤	≥ 11.	≥ 1	≥ 1,	≥ 4	د، خ	- ≥ 5	16	≥ .	. ≥ 0
NO CEILING	•		• 1	• • • •	4.1.	4 . b.	12.	7.	ii F		4.7.		N (1 . C)	4	1, "	• }		٠.
≥ 20000		<u>.</u>	· • • ;		4	44.	. 64 . 4	44.		<u> </u>	13 to 0 .	44.5		4, 44 <u></u>	4. 4	·	444	. ~ * *
≥ 18000 ≥ 16000	٠٠.	· •	42 • 1	47.0	4 : •(44.7	24.2 44.2	44.2		संब ् ँ <u>प्</u> यक्ः			44.5 34.5	in Grand Table		•	u A . S u a . S	
≥ 14000			12 i j	47.7	47.5	44.0	4.2	a# . 2	34.7		44.5	14.	44.		٠٠ ٠٠		46.	
≥ 12000			7.7	4 1 6	31.5 T	7	. 7	4	- 2	4 7	4 7 4 -		4 . • >	<u> </u>		ė į.	, <u> </u>	
≥ 10000 (≥ 9000	, .		43 . 1	- 14 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 9 6			. 4 • 70 . 5 f • Cii			•		• •	•		•	•	•
	·	-	7.7			77.0	5.0			-5.5	5.5.1	1	111	•	37	-1		:
≥ 8000 ≥ 7000	. 1		٠,	, e				10.5		56.3	7.1	7.1	5 7			. 1	7.1	•
> 6000	- 1 ·	•	4	54.5	- 1	7.	7.1	7,1	7.1	!	57.4				5.7	• 4	<u>. 7</u> . 4	
≥ 5000		,	·5• ¦	31	2 1	A .	٥.	٠, ٥	- C . C		1. 1. 1. 4	F . 14	23.4		1.	. 14	7 % . 11	
≥ 4500		. •	5.5	5	. 1		•	2.2	•	•		1.	• '-			L		
≥ 4000	<u>-</u>		ું? • ⊀		1 .7	/ 1 • ··	:1.5	61.	1.0	11.		<u> </u>	<u>. 5 1 • 7</u>	• ~	. 1	•	<u> </u>	
≥ 3500	. 0.	,		41.	7.01	6.3.4	* * * 6	73.5		1 1 . f	2.7		€3•1	• • • •	3	• _	6	•
≥ 3000		· .	ે •ે		, See • ".	6 - 7	. 4 . 7		<u></u> .	• 7	. : <u>•</u>	55.4	. 4	4	, h +	•	4	. • • •
≥ 2500	•			5.f •	7.5.4	71.6	1.0	71.0	11.4	7:00	71.9	7	7 4		7	•	71.43	``•
≥ 2000	. •		• * .	. 7 . •							. [] : •.}.			• •	, (• .	74	
≥ 1800	•	•		11.	32.7	77.8	77.	72.1	11.1	• •			7 • 7	•		• [7 7	- / . •
≥ 1500	·, •		1 · L	. 7 4	77.7	- -		01.00			1 • 1	•	•	- •	٠.	• • •		• •
≥ 1200 > 1000	3 •		7 5 . t 7 . t	76.	11 - 7	•	¥	. 44.5 . 27.4	** **	7.5	, ,	•	• ,			•		. •
			:-		7-5	·•	-5-1	7 .	- , ' • 4 •		• • - • •		• •	• • •		• •		•
≥ 900 ≥ 800			* 4 . 5.	7			6 6	96 1		4 ~ a }		49.	6.6	• •	ં કદ			•
- ≥ 700			4.9	7 . 4		· · · · · · · · · · · · · · · · · · ·		40	- C 14	15 4	65.01	·· [5]	- 6 5 1 4					
≥ 700 ≥ 600	1		74.:	7 . 4	12.0	أعرا	7.1	40.4	7: 7	40.3	9 . :	21.1	11.		1	•	21	
≥ 500	1.		4.	7 . 11	12.5	46.0	7.1	7(.]	77.00	.2.7	1 • 1	71.	41.5	01.0	1	• *	1.0	ì.
≥ 400	2.		14.	7 . 7	8 . 2	1	· • • · ·	91.3	1.6	1.	\$	03.0	47.0		- ÷4	•	74.2	
≥ 300	•		74.	77	F7.5	55.4	्व, व	1.3	3		4.		•=	a	100		75.1	T. 14.
≥ 200	1.		4	7	2	ري 🕶 د		11.5	·	~ ? • f	4	<u> </u>	15.5	5-1	. ?€	• 3.	96.	04.
≥ 100	•		74.	7 - 7	*****		3.5		17 . 3		5.	•	9.4	. 7 . 1	7 7 7	• 4	38.L	Ç.,
≥ 0		· ^.	4 .	7 . 7	- 3 3 • 2 }	4 4	. 9 . 4	21.5		• 1	رنوف ب	C	24.1	1	7	• 4	75.4	1

TOTAL NUMBER OF OBSERVATIONS

3.4 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE ISMOS) GLENVIEW ILLINOIS(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC. AUG. 84 AU A150 396 F/G 4/2 UNCLASSIFIED NI



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						-	VIS	HBILITY (ST	ATUTE MIL	ES)				_		
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	₹.1 79.4	36.5 38.7	40.0 42.6		42.3 45.5	42.3	47.9	43.2	43.2	43.2	43.2	43.2	43.6	43.6	43.5	43.6
≥ 18000 ≥ 16000	29.4	38.7	42.6		45.5	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.8	46.8	45.8	46.3
≥ 14000 ≥ 12000	30.0	39.0	47.9	45.2	45.8	45.8	46.5	46.8	46.P	46.8	46.8	46.8	47.1	47.1	47.7	47.1
≥ 10000 ≥ 9000	31.5	42.6	46.F	49.D	49.7 50.7	49.7	50.3	50.7 51.6	57.7	50.7	50.7	50.7	51.0	51.0	51.C	51.0
≥ 8000 ≥ 7000	34.2	46.1	50.3 51.6	52.6	53.2	53.2 54.8	53.9	54.2	54.2	54.2 55.8	54.2	54.2	54.5	54.5	54.5	54.5 56.1
≥ 6000 ≥ 5000	34.0	47.1	51.9	54 . 2 55 . 8	55.2 57.1	55.2 57.1	55.8	56.1 58.1	55.1 58.1	56.1	56.1 58.1	56.1	56.5 58.4	56.5	56.5	56.5
≥ 4500 ≥ 4000	35.5	47.E	54.2	56.8 58.4	58.1 59.7	58.1 60.0	58.7	59.0	59.0 61.0	59.0 61.0	59.0 61.0	59.0	59.4	59.4 61.3	59.4	59.4
≥ 3500 ≥ 3000	36.2 59.4	51.3 54.8	54.5	59.2	60.7 65.8	61.0	61.6	51.9 68.1	63.1	61.9	61.9	61.9	62.3	52.3 68.7	62.3	62.3
≥ 2500 ≥ 2000	41.3	58.1 60.7	64.8	67.4	69.7 73.2	70.0	71.3	72.3 76.5	72.3 76.5	72.6 76.8	77.6	72.6 76.8	72.9	72.9	72.9	72.5
≥ 1800 ≥ 1500	43.7	61.3	68.4	71.3	73.9	74.2	76.1 79.7	77.1 e1.0	77.1 81.3	77.4	77.8 81.3	77.4	77.7 81.6	77.7 81.6	77.7 81.6	77.7
≥ 1200 ≥ 1000	44.2	63.2	70.7	74 • 2 75 • 5	78.4	79.0	81.3	82.6	62.9	83.2	83.2	83.2	83.6	83.6	83.6	83.6
≥ 900 ≥ 800	44.2	65.5	72.3 73.9	76 • 1 77 • 7	81.7	51.9 33.9	84.2	85.5	96.1	87.1 90.0	87.1 90.3	67.1 90.3	87.4	87.4 90.7	87.4 99.7	90.7
≥ 700 ≥ 400	44.2	65.8 65.8	74.2	78.1 78.1	83.6	65.2	86.8	88.4 89.4	80.0	90.7	91.3 92.6	91.3	91.6 92.9	91.6 92.9	91.6	91.6
≥ 500 ≥ 400	94.2	65.8	74.2 74.2	78.1 78.1	84 • 2 84 • 5	85.2 85.5	88.4	89.7	90.7 91.3	92.9 93.9	93.6 94.8	93.6	93.9	93.9 95.2	93.9 95.2	93.9
≥ 300 ≥ 200	44.2	65.8 65.8	74.2	78.1 78.1	84 . 8 84 . 8	85.8	88.7	90.7 90.7	91.6 91.6	94.8	96.5 96.5	96.5	96.8 96.8	96.8 96.8	97.1 97.1	97.1
≥ 100 ≥ 0	34.2 44.2			78.1 76.1	84.8	55.8	88.7	90.7 90.7	91.6 91.6	95.2 95.2	96.8 96.5	96.8	97.4 97.4	97.4	98 · 1 98 · 1	98.7

TOTAL NUMBER OF OBSERVATIONS

310

CEILING VERSUS VISIBILITY

18355

BLENVIEW, IL

73-32

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(19 HOVEL (L S T

CEILING							VIS	HBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 216	≥ 2	≥ 14	≥ 1%	≥ 1	≥ %	≥ %	≥ 14	≥ 5/16	≥ %	≥ 0
NO CEILING	27.7	34.8	37.7	34.7	43.3	40.3	40.3	40.3	49.3	40.3	40.3	40.3	40.3	40.3	•0.3	40.
≥ 20000	24.4	38.4	41.5	44.2	45.2	45.2	45.2	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.
≥ 18000 ≥ 16000	29.4	38.4	41.6	44.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.
≥ 14000	20.0	38.7	41.9	44.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.
≥ 12000	30.3	39.7	42.9	45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	\$6.
≥ 10000 ≥ 9000	31.3	41.3	45.2	48.1	49.0	49.0	49.0	49.0	49.0	49.D	49.0	49.0	49.0	49.5	49.0	49.
	13.6	44.5	49.4	52.4	53.9	49.0	34.2	54.2	54.2	59.0	54.2	54.2	54.2	54.2	54.2	
≥ 8000 ≥ 7000	35.5	47.1	51.9	55.2	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.
≥ 6000	35.5	47.4	52.3	55.5	56.8	*7.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.
≥ 5000	36.1	48.7	53.9	57.1	58.4	58.7	58.7	58.7	54.7	58.7	38.7	58.7	58.7	58.7	58.7	59.
≥ 4500 ≥ 4000	36.8	4°,4	54.5	57.7	59.4	61.0	60.0	60.0	63.0	60.0	61.3	60.0	60.0	60.0	60.0	60.
- <u>-</u>	39.1	51.3	55.5	59.7	61.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	67.6	62.6	62.6	67.
≥ 3500 ≥ 3000	39.7	53.2	59.7	62.9	64.5	65.5	65.8	65.6	65.8	65.8	65.8	65.8	65.6	65.8	65.8	66.
≥ 2500	41.3	56.8	63.2	66.8	68.4	69.4	69.7	70.0	70.7	70.0	70.0	70.0	70.0	70.0	70.0	70.
≥ 2000	42.3	60.7	67.4	71.0	73.6	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.
≥ 1800	42.7	61.9	68.7	72.3	75.5	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.
≥ 1500	43.9	63.9	71.07	74.2	78.4	79.7	80.3	90.7	80.7	81.0	81.0	81.0	81.0	61.0	81.0	<u> </u>
≥ 1200 ≥ 1000	43.9	45.2	71.0	74.8	79.4	93.6	81.9	92.6 95.2	82.6	82.7	8 Z . 9	82.9	82.4	8Z. 9	87.9	83.
	44.2	65.2	72.6	76.8	82.3	34.5	85.5	36.1	86.5	47.7	87.7	87.7	87.7	87.7	87.7	88.
≥ 900 ≥ 800	44.2	65.5	72.9	77.1	83.2	85.5	87.4	88.4	88.7	96.3	90.3	90.3	99.7	90.7	90.7	91.
≥ 700	44.2	66.5	73.9	78.4	84.5	86.8	89.0	90.3	90.7	72.3	92.3	92.3	92.6	92.6	97.6	92.
≥ 600	24.2	56.8	74.2	78.7	85.5	68.1	90.7	92.3	92,6	94.2	94.2	94.2	94.5	94.5	94.5	94.
≥ 500	44.2	67.4	74.8	79.4	86.1	58.7	71.3	92.9	93.6	95.2	95.4	96.1	96.5	96.5	96.5	96.
≥ 400	44.2	67.4	74.8	79.4	96 - 1	88.7	91.3	92.9	73.6	75.5	76.1	76.5	76.8	70.0	76.5	97.
≥ 300 ≥ 200	44.2	67.4	74.8	79.4	84.1	88.7	71.3 91.3	93.2 93.2	93.9	75.8	70.5	70.1	97.4	97.4	97.1	97.
	44.7	67.0	74.8	79.5	1	88.7	91.3	93.2	93.9	05.0	66.4	94.4	97.4	97.4	98.7	99.
≥ 100 ≥ 0	44.2	67.4	74.8	79.4	86.1	88.7	91.3	93.2	73.4	75.8	96.5	96.8	97.4	97.4	98.7	00

TOTAL NUMBER OF ORSERVATIONS 3

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

14355

SLENVIEW, IL

73-32

MAD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

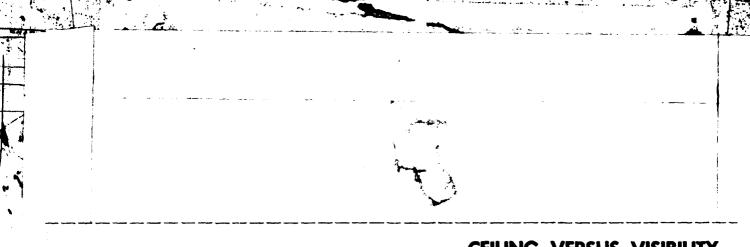
12

CEILING							VIS	BALITY (ST	ATUTE MIL	E\$)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	2 %	≥ 5/16	≥ %	≥ 0
NO CEILING	22.4	36.5	36.1	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1	39.0	39.0	35 . 0
≥ 20000	31.7	43.9	45.5	*6.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	96.5	46.5	46.5	46.5
≥ 18000 ≥ 14000	31.9	43.9	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000 ≥ 12000	31.9	45.9	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	34.8	48.4	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	35.5	51.3	52.9	53.6	54.2	52.6	54.5	54.5	54.5	54.5	32.5	54.5	54.5	54.5	54.5	54.5
≥ 7000	36.2	51.6	53.2	53.9	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 6000 ≥ 5000	36.5	52.6	\$4.5	55.2	55.8	56.5	36.5	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4500 ≥ 4000	37.4	53.2	55.5	56.1	36.8	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7 58.7	57.7	57.7 58.7	57.7 55.7
≥ 3500	38.7	54.8	57.1	58.1	59.0	59.7	59.7	60.D	60.0	60.0	60.0	60.0	60.0	60.0	60.0	3.36
≥ 3000 ≥ 2500	42.6	66.5	70.3	71.9	73.6	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	47.7	69.7	73.9	75.8	78.1	79.4	79.7	8G.0	80.0	\$0.3	40.3	80.3	80.3	80.3	80.3	80.3
≥ 1800 ≥ 1900	48.1	72.6	77.7	80.0	82.9	84.2	80.3	94.8	80.7	15.2	85.Z	81.D	85.2	81.0 85.2	81.0	85.2
≥ 1200 ≥ 1000	48.1	73.9	79.0	81.6	85.2	86.5	86.8	87.1	87.1	87.4	87.4 90.3	87.4 90.3	57.4 90.3	87.4 90.3	90.3	90.3
≥ 900	48.4	75.2	83.3	83.2	87.1	A8.7	89.4	90.0	90.0	90.3	90.7	90.7	97.7	90.7	90.7	90.7
≥ 800 ≥ 700	48.4	75.5	80.7	83.6	87.7	87.4	90.7	90.7	91.6	92.4	71.6	72.9	92.9	72.7	91.6	91.6
≥ 400	48.4	75.8	81.0	83.9	88.1	89.7	91.6	92.6	93.2	99.2	94.5	94.5	94.5	99.5	74.5	94.5
≥ 500 ≥ 400	48.4	76.1	81.3	84.2	88.4	90.0	7Z.3	73.Z	94.2	73.2	73.5	75.3	75.5	75.5	75.3 97.1	77.1
≥ 300 ≥ 300	48.4	76.1	01.3	84.2	38.4	90.0	92.3	93.6	94.5	96.8	97.1	97.1	97.4	97.4	98.4	98.7
≥ 100	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.6	94.5	97.1	37.7	70.1	78.7	78.7	11 -11	100.0
2 •	48.4	76.1	81.3	84.2	38.4	90.0	92.3	93.6	74,5	97.1	97,7	78.1	78.7	74.7	22.2	00.0

TOTAL MIMMARS OF ORSERVATIONS 31

DIRNAVOCEANMET

SMOS



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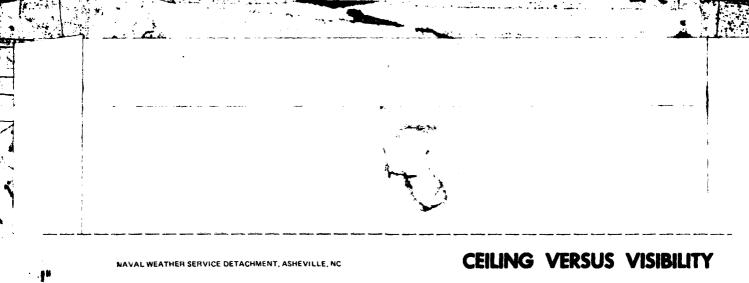
CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

CEILING				·			VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 1%	≥ 1%	≥i	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	32.6	38.7	47.4		40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	4C-3	4C.3	40.3
≥ 16000 ≥ 16000	36.8	46.1	47.4	47.7	47.7	47.7	47.7	47.7	47.7	97.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000 ≥ 12000	30.4 37.4	46.5	47.7	48.1 49.D	48.1	48.1	48.1	49.1	48.1	48-1	48.1	48.1	48.1	48.1	48.1	45.1
≥ 10000 ≥ 9000	39.0	49.4	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	\$1.3 \$2.3	51.3
≥ 8000 ≥ 7000	39.7	51.6	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000 ≥ 5000	40.0	53.2	54.8	55.5 57.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500 ≥ 4000	41.3	55 · 5	57.4	58.1	58.1	58.1	58.1	58.1	59.1	58.1	58 - 1 60 - 3	58.1	58.1	58.1	50.1	58.1
≥ 3500 ≥ 3000	43.0	59.4	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	68.9
≥ 2500 ≥ 2000	50.7	70.3	72.6	73.6	74.2	74.2	74.5	74.5 80.0	74.5	74.5	74.5	74.5 80.0	74.5 80.0	74.5 80.0	74.5 80.0	74.5 80.0
≥ 1900 ≥ 1500	51.5	74.2	77.4	78.4	79.7	80.3	80.7	81.J	84.2	81.0	81.0	81.0	81.0	81.D	81.0	81.0
≥ 1200 ≥ 1000	2.3 52.9	77.1	81.0	82.3	85.8	87.1	85.6	86.1	86.1	86.1	86.5	86.5	86.5 90.0	86.5	86.5 90.0	96.5 9D.D
≥ 900 ≥ 900	52.9 52.9	78.4	82.6	84.2	86.1	87.4	89.7 90.3	90.3 91.6	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7 91.9
≥ 700 ≥ 400	52.9	78.4	82.6	84.2	86.1	88.7	91.0	92.6	92.6	92.6	93.2	93.2	93.6	93.6	94.6	93.6
≥ 500 ≥ 400	52.9 52.9	78.4	82.9	84.8	87.4	90.0	92.9	94.5	94.5	94.5	76.1	96.1	96.8	97.1	97.1	97.1
≥ 300 ≥ 200	52.9 52.9	78.4 78.4	\$2.9 \$2.9	84.8	87.4 87.4	90.0 90.0	92.9	94.5	94.5	75.8 95.8	97.7	97.7	75.4	98.7 99.0	98.7	98.7
≥ 100 ≥ 0	52.9 52.9	78.4	42.9 42.9	84.8	87.4 87.4	90.0 90.0		94.5	94.5	1 2 2 2 1	97.7	97.7 97.7	78.4	99.0	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS



14-9-55 GLENVIEN, IL 73-82 NAF

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	MILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 4	≥ \$	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.5	4C.5	· • 0 • 7	• 3.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	
≥ 20000	39.0	44.5	43.5	42.3	46.1	46.5	46.5	46.5	46.5	76.5	46.5	46.5	46.5	96.5	96.5	46.5
≥ 18000 ≥ 16000	39 . 4	45.2	45.8	45.8	46.5	46.8	36.8	46.8	46.8	46.8	46.8	46.8	46.8	96.8	46.8	46.8
2 1000	30.4	43.4	9368	93.9	40.3	45.8	76.5	46.5	40.8	70.5	40.5	70.0	45.8	90.0	46.8	46.8
≥ 14000	37.4	45.5	46.1	40.3	97.1	47.4	47.4	47.4	47,4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000	40.0	46.5	4/.1	4/.4	48.1	48.4	48.4	48.4	48.4	48.4	46.4	48.4	45.4	48.4	48.4	48.4
≥ 10000	43.5	51.3	52.3	52.6	33.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	42.7	51.3	52.3	52.6	53,2	3.6	53,6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	14.5	52.9	53.9	54.2	54 . 8	55 . 2	55.2	55.2	55.2	\$5.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 7000	45.5	34.2	55.2	55.5	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4000	46.5	55.R	50.8	57.1	58.4	58.7	39.0	59.0	59.C	59.0	59.0	59.0	59.C	59.0	59.0	59 . C
≥ 5000	47.4	57.1	58.1	58.4	59.7	60.0	60.3	60.3	60.3	60.3	60.3	6D.3	60.3	60.3	60.3	60.3
≥ 4500	48.4	58.7	60.0	60.7	61.9	62.3	42.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	⇒0 • 3	61.6	63.6	64.2	45.5	45.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	56.1	66.1	66.1
≥ 3500	53.2	54.9	67.4	68.1	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	55.2	68.1	71.0	71.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	55.8	70.0	73.2	73.9	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	56.1	71.6	75.5	70.8	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	55.1	72.3	76.1	77.4	79.7	80.0	80.7	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	56.	73.6	77.4	78.7	81.3	51.9	82.9	83.2	43.4	33.9	64.2	84.2	84.2	84.2	84.2	84.2
≥ 1200	57.1	74.8	78.7	80.7	33.9	84.5	85.5	85.8	86.1	86.5	86.8	86.3	86.8	86 . 8	86.5	86.8
≥ 1000	57.1	75.2	79.7	81.6	85.2	85.8	36.8	97.1	87.7	88.4	89.4	49.4	89.4	89.4	89.4	89.4
≥ 100	57.4	75.5	\$0.0	81.9	85.5	86 . 1	87.1	87.7	38.4	89.D	90.0	90.0	90.0	90.0	90.0	93.0
≥ 900	57.4	75.5	80.3	82.6	86.1	86.8	87.7	89.0	89.7	90.7	91.4	91.6	91.6	91.6	91.6	91.6
≥ 700	57.4	75.8	80.7	82.9	84.8	87.4	88.7	90.0	90.7	91.6	92.6	92.6	92.9	92.9	92.9	92.9
≥ 400	57.4	75.6	80.7	82.9	87.1	87.7	89.0	90.7	41.3	92.3	93.2	93.2	93.6	93.4	93.6	93.4
≥ 500	57.4	75.8	81.0	83.2	87.4	88.1	19.4	91.9	92.6	94.5	93.3	95.5	95.8	95.8	95.8	95.8
≥ 400	57.4	75.5	81.D	83.2	87.4	88.1	89.7	92.6	93.2	95.6	74.8	74.8	97.7	97.7	97.7	97.7
≥ 300	57.4	75.8	81.7	83.2	87.4	48.1	89.7	92.6	93.6	94.1	97.1	97.1	98.4	98.0	98.0	98.4
2 200	57.4	75.4	81.0	83.2	87.4	90 . 1	19.7	92.4	93.6	96.5	97.4	97.4	96.7	99.0	** . a	99.0
	57.4	75.4	61.C	83.2	87.4	48.1	29.7	92.6	13.4	94.8	97.4	97.0	98.7	99.0	99.0	
≥ 100	57.4	75.8	81.0	03.2	47.0	18.1	49.7	92.4	73.6	94.5	97.4	97.4	98.7	99.0		
لنسشا	3,00		-110	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4,44	7774	9791	70.0	7200	7992		7.09	700	7794	77.88	

TOTAL NUMBER OF OSSERVATIONS 31



CEILING VERSUS VISIBILITY

16855 GLE VYIEW, IL

.3"

73-82

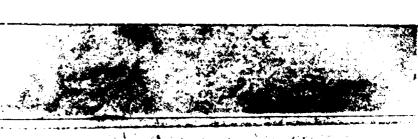
MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

71

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CEILING								IBILITY (SI	ATUTE MIL	28)						
(FEET)	≥ 10	≥ 4	≥ 5	≥ 4	≥3	≥ 21/4	≥ 2	≥ 1%	≥ 14	≥1	¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.7	43.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.9	44.6
≥ 20000	41.9	47.7	48.7	48.7	48.7	48.7	49.7	48.7	98.7	49.6	49.0	49.D	49.0	49.0	49.0	49.5
≥ 18000	41.7	47.7	49.7	49.0	49.0	49.0	49.0	49.0	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 14000	41.9	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	47.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 14000	42.6	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	59.0
≥ 12000	43.5	49.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.5	51.0
≥ 10000 ≥ 9000	45.8	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
	40.1	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 8000 ≥ 7000	67.7	56 - 1	57.4	57.4	57.7	57 . 7	57.7	57.7	57.7	58.1	56.1	58.1	58.1	58.1	58.1	58.1
	43.7	57.4	58.7	58.7	59.0	59 . 0	59.D	59.0	59.0	37.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4000 ≥ 5000	49.0	57.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
	51.0	61.3	62.6	62.6	61.9	61.9	61.9	61.9	62.9	62.3	62.3	62.3	62.3	62.3	62.3	62.
≥ 4900 ≥ 4000	53.2	62.9	64.5	64.8	64.8	62.9	65.2			63.2	63.2	63.2	63.2	63.2	63.2	63.2
	54.8	64.8	66.5	44 - 8	67.1	67.4	67.4	67.4	67.4	65.5	67.7	67.7	67.7	67.7	65.7	65.5
≥ 3500 ≥ 3000	55.5	67.4	69.0	4.9.4	70.3	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	67.7
≥ 2500	56.5	71.3	72.9	73.6	74.3	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	53.4	74.2	76.8	77.4	78.7	79.0	79.0	79.0	79.5	79.4	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1600	58.4	74.5	77.1	77.7	79.0	79.4	79.4	79.9	79.4	79.7	80.0	80.0	80 D	80.0	80.0	80.0
≥ 1500	57.4	76.8	80.3	81.3	82.6	83.6	83.9	93.9	83.9	84.5	84.8	84.8	34.8	84.8	84.8	84.6
≥ 1200	40.0	78.1	81.9	82.9	84.2	85.5	45.6	35.8	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.9
≥ 1000	40.3	78.4	42.6	83.9	85.5	87.1	88.1	38.1	88.1	89.0	39.4	89.4	89.4	89.4	89.4	89.4
≥ 900	60.3	78.4	\$2.9	84.2	85.8	87.4	88.9	88.4	38.4	89.7	90.0	90.0	90.0	90 . C	90.0	90.0
≥ 800	00.3	78.7	83.6	84.8	26,8	88.4	\$7.7	90.3	90.3	71.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	60.3	79.0	83.9	85.2	87.4	89.0	90.3	91.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400	60.3	79.4	84.2	85.5	87.7	89.4	90.7	92.3	92.3	73.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	50.3	79.4	84.5	85.8	80.1	89.7	91.0	92.9	92.9	94.2	74.8	74.8	94.8	74 . 8	74.8	94.6
≥ 400	60.3	79.4	84.5	8.38	88.1	19.7	91.0	93.2	93.6	99.8	96.1	96.1	99.1	95.1	96.1	96.1
≥ 300	60.3	79.4	54.5	85.8	38 - 1	89.7	91.3	94.2	74.5	75.8	97.1	97.1	97.4	97.4	97.4	97.4
≥ 200	60.3	79.4	84.5	85.8	88.4	90.0	91.6	94.5	94.8	96.1	97.4	97.4	97.7	97.7	97.7	97.7
≥ 100	60.3	79.4	84.5	85.8	88.7	10.3	71.9	95.2	95.5	76.0	98.1	98.1	98.7	98.7	79.7	99.7
≥ 0	60.3	79.4	84.5	85.8	98,7	90.3	71.7	95,2	75.5	76.8	98.1	73.1	98.7	78.7	27.7	LOD-D

TOTAL NUMBER OF OBSERVATIONS



CEILING VERSUS VISIBILITY

14855 GLENVIEW, IL

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- 82

MAP.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOVES (L S T

CEILING	i						VIS	BILITY (ST	ATUTE MIL	.E\$)			_			
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	12.6	39.4	40.9 45.4	41.6	41.5	41.9	42.0	42.0 46.8	42.0 46.8	42.1	42.1	42.1	42.1	42.1	42.1	42.2
≥ 18000 ≥ 16000	35.5 35.5	43.8 43.8	45.4	46.3	46.7	46.7	46.8	46.9	46.0	46.9	46.9	46.9	47.0	47.0	47.0	
≥ 14000 ≥ 12000	35.7 36.4	44.1	45.7	46.6	47.0	47.0	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	
≥ 10000 ≥ 9000	38 • 4 38 • 6	48.1	49.9	50.8	51.7	51.3	51.4	51.5	51.5	51.5 52.0	51.5	51.5	51.6	51.6	52.1	
≥ 8000 ≥ 7000	40.4	51.4	53.4	54.4	55.0	55.1 56.3	55.2	55.3 56.5	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5 56.7
≥ 6000 ≥ 5000	42.3	53.0	55.1 56.7	56.1 57.8	56.8 58.5	57.0 58.7	57.1 58.8	57.2	57.2	57.3 59.0	57.3 59.0	57.3	57.3	57.3 59.0	57.3	57.4
≥ 4500 ≥ 4000	42.2	55.2 54.8	57.6	58.7	59.5	59.7	59.8 62.0	59.9	59.° 62.1	62.1	60.0 62.1	60.0	60.0 62.2	60.0	67.1	50.1 62.3
≥ 3500 ≥ 3000	45 - 1 47 - 1	58.4	61.2 65.0	62.4	63.3	63.6	63.8	63.9 68.7	63.9	64.3	64.0	64.0 66.8	64.0	64.C 68.9	69.1	64.1 69.0
≥ 2500 ≥ 2000	43.9	65.3 68.7	69.C 72.9	75.6	72.1 76.7	72.5 77.2	72.9 77.7	73.1 76.0	73.1 78.0	73.3 78.2	73.3	73.3	73.4 78.4	73.4	73.4	73.5 78.5
≥ 1900 ≥ 1500	50.7	69.5 71.7	73.7 76.2	75.7	77.7	78.2 91.7	78.8 82.5	79.D 82.9	79.1 82.9	79.3 83.2	79.8 63.4	79.4 83.4	79.5 83.5	79.5 83.5	79.5 83.5	79.6
≥ 1200 ≥ 1000	51.7 51.7	72.7	77.4 75.4	79.9 81.1	84.4	83.6 35.5	84.5	87.2	85.P	85.3 88.0	85.5	85.5	35.6 88.4	85.6	65.6 88.4	85.7
≥ 900 ≥ 900	51.9	73.6 73.9	78.7 79.1	81.4	84.9	86.9	87.3	87.8	89.0	88.7 90.3	89.D 90.7	89.C 90.7	90.9	90.9	90.9	89.1 90.9
≥ 700 ≥ 400	51.9 51.9	74.2	79.4 79.6	82.5	86.1	87.4 88.0	89.1 90.0	90.1 91.2	90.3 91.5	91.3 92.5	91.7	92.9	92.0	92.0 93.2	92.0	93.3
≥ 500 ≥ 400	51.9	74.4	79.9 80.0	82.8	87.0 97.2	88.6	90.6	92.5 92.5	92.4	93.6	94.5	94.5	94.8 96.0	94.8	94.9	95.0 96.3
≥ 300 ≥ 200	51.9	74.4	80.0 80.0	82.9	87.3	89.0	91.2 91.3	92.9 93.0	93.5	75.6 75.6	96.5	96.5	97.1 97.6	97.2	97.4	97.5
≥ 100 ≥ 0	51.9 51.0	74.4	87.0 60.0	82.9	87.4	89.0	91.3	93.1	93.7	96.0 96.0	97.0 97.0	97.1 97.1	97.9 97.9	98.2 98.2	77.0	99.3

TOTAL NUMBER OF OBSERVATIONS

248

CEILING VERSUS VISIBILITY

14355 GLETVIEW, IL STATION NAME

F 2

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (EST

CEILING							VIS	HBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	.≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.3	46.7 50.3	47.7 51.3	47.7	47.7 51.3	47.7 F1.3	47.7	47.7	47.7 51.3	47.7 51.3	47.7 51.3	47.7 51.3	97.7 51.3	47.7 51.3	47.7 51.3	47.7 51.3
≥ 18000 ≥ 16000	43.3 43.3	50.3 50.3	51.3 51.3	51.3	51.3 51.3	51.3 51.3	51.3 51.3	51.3	51.3 51.3	51.3 51.3	51.3 51.3	51.3	51.3 51.3	51.3 51.3	51.3	F1.3
≥ 14000 ≥ 12000	44.7	50 · 3	51.3 52.7	51.3 52.7	51.3 52.7	51.3 52.7	51.3 52.7	51.3 52.7		51.3 52.7	51.3 52.7	51.3	51 • 3 52 • 7		51.3	
≥ 10000 ≥ 9000	48.7	57.0	58.3 58.3	58.3	58.3 58.3	58.3	58.3 58.3	58.3 58.3	58.3 58.3	58.3 58.3	-	58.3 58.3	59.3 58.3	58.3 58.3	58.3	58.3
≥ 8000 ≥ 7000	52.7 53.3	63.°	64.3	64.3	64.3	64.3	64.3 66.0	64.3 66.0		64.3 66.0		64.3	64.3	64.3 66.0		64.3
≥ 6000 ≥ 5000	54.3	65.7	67.0 69.0	67.0		67.3 69.3	67.3	57.3 69.3	67.3	67.3		67.3	67.3	67.3	67.3	67.3
≥ 4500 ≥ 4000	55.0 58.7	69.0 72.0		70.3	70.7	70.7	70.7	75.7 73.7		70.7	-	70.7	70.7 73.7		70.7	70.7
≥ 3500 ≥ 3000	59.0	74.0		75.3 78.3	75.7 78.7	75.7 78.7	75.7 78.7	75.7		75.7 78.7		75.7 78.7	75.7 78.7		75.7	
≥ 2500 ≥ 2000	02.0 03.0	78.0 30.3		79.7 82.3	80.0 83.0	90.0	80.0 83.7			80.0		80.D 83.7			80.0	80.0
≥ 1800 ≥ 1500	53.7	81.0	87.7	83.0 97.0	83.7	83.7				34.3	84.3	84.3	64.3 68.3			84.3
≥ 1200 ≥ 1000	ა5•3 1-5•9	84.7	87.3	88.3	91.3	99.0				89.7 92.0		89.7 92.0	89.7		89.7 92.0	
≥ 900 ≥ 800	66.0 66.0		1	91.0 91.7	92.° 92.7	93.0				92.7				92.7 93.7		92.7
≥ 700 ≥ 400	56.0 66.0	88.0		92.7	93.7 95.3	94.0	95.0 96.7	95.0 96.7	95.0		- 1		95.0 96.7		95.7	
≥ 500 ≥ 400	56.5 56.5	89.0	92.7 93.3	95.3	95.7 96.7	96.8 97.3	97.3		97.3 98.3			97.3 98.3	97.3		97.3 98.3	1
≥ 300 ≥ 200	56.0 56.0	89.0 89.0		95.7	97.0 97.0	97.3 97.3	98.7	98.7 98.7		98.7 98.7	98.7 98.7	98.7	98.7 98.7	99.G		99.0
≥ 100 ≥ 0	66.0		93.3		97.0	97.3		98.7		98.7	98.7	98.7	98.7		99.3	

TOTAL NUMBER OF OBSERVATIONS

300



CEILING VERSUS VISIBILITY

14.55 OLC VIEW, IL

3-32

BONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 14	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	38.7	46.7	47.3 50.5	47.3 50.7	97.3 50.7	47.3 50.7	47.7 51.2	47.7 51.3	47.7 51.3	47.7 51.3	47.7 51.3	47.7 51.3	47.7	47.7		47.7
≥ 18000 ≥ 16000	41.5	48.7	50.3	50.7	50.7	50.7	51.3	31.3 91.3							51.3	
≥ 14000 ≥ 12000	+1.5	48.7	50.3 51.0	50.7 51.3	53.7	50.7	51.3	51.3 52.0	51.3	51.3	51.3	51.3	51.3	51.3		51.
≥ 10000 ≥ 9000	45.0	54.3	56.0	55.3	56.3 57.0	56.3	57.0		57.7	57.3	57.7	57.0	57.0	57.0	57.0	
≥ 8000 ≥ 7000	49.7		67.3	63.0	67.3	£3.3	64.0	54.3		64.3	64.3	64.3	64.3	54.3	64.3	64.3
≥ 6000 ≥ 5000	50.7 51.6	62.0 64.7	64.3	65.0 68.0	1	45.3 68.3	66.0	66.3	€6.6.3	60.3	66.3	66.3	66.3	69.3	16.3	66.
≥ 4500 ≥ 4000	12.7 33.7	36.7 58.0	69.7 72.0	70.3	70.7 73.3	70.7	71.3 74.0	71.7 74.3		71.7	71.7	71.7	71.7			71.7
≥ 3500 ≥ 3000	34.7 54.3	70.3	74.3 76.0	75.8 77.0	75.7	75.7	76.3 79.3	76.7 79.7		76.7 79.7		75.7 79.7	76.7	1		76.7
≥ 2500 ≥ 2000	5 5. 0	73.3	77.3	76.3 91.7	80.0 83.3	\$0.0 3.3	80.7 \$4.0	81.0	81.0	91.0		81.3	81.0 94.3	81.J 54.3	81.C 84.3	34.3
≥ 1800 ≥ 1500	57.3 58.3	77.3	81.3 85.3	82.3 86.3	84.D	94.0 68.0	34.7	85.0 69.0			85.0 89.0	65.0 69.0	1	85.0 89.0		89.
≥ 1200 ≥ 1000	58 - 3 55 - 7	82.0 82.7	86.7	87.7 89.0	89.3 91.0	89.3 91.0	90.0	90.3 92.0			90.3 92.0	90.3 92.0		90.3		90.3
≥ 900 ≥ 800	58.7 58.7	83. C	87.7	89.3 90.7	91.7 93.0	91.7 93.0	92.3 93.7	92.7 94.0			92.7 94.0	92.7 94.0	92.7		1	92.7
≥ 700 ≥ 400	59.0 59.0	85 • 3 85 • 3	90.0 91.0	91.7	94 • 0 95 • C	94.3 95.0	94.7	95.0 76.0	95.7 96.7			75.0 96.3	95.0 96.3	95.0	5	95.7
≥ 500 ≥ 400	59.0 59.0	85.3 85.3	91.3	93.0		95.7 96.0		97.0 97.7				97.3 96.0	97.3 98.0	97.3 98.0	1	97.3
≥ 300 ≥ 200	59.0		91.3	93.3	96 . C	96.3		98.3	98.3		99.0		99.0		99.0	99.0
≥ 100 ≥ 0	59.0 59.0	45.3 65.3	91.3	93.3	96 . C	96.3	97.7	98.3	98.3		99.0		99.3			

TOTAL NUMBER OF OBSERVATIONS ________

CEILING VERSUS VISIBILITY

14.55 CLESTIEN, IL 77-87 MARI PRATION MARIE STATION AR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 21/2 ≥ 1% ≥ 1% ≥ 1 ≥ 5/16 7 . P# 44.3 44.3 40.7 NO CEILING ≥ 20000 48.7 48.7 49.3 49.3 49.3 49.3 48.C 49.3 49.3 49.3 49.3 49.3 49.7 49.7 49.7 49.7 49.7 49.3 ≥ 14000 ≥ 12000 50.0 50.3 54.7 55.0 55.0 55.3 55.3 55.3 55.3 55.3 55.3 55.3 60.0 60.7 61.0 54.7 64.7 64.7 64.3 65.7 65.7 56.0 66.0 66.0 66.0 66.0 67.7 67.7 67.7 67.3 67.3 67.7 67.7 72.7 72.7 78.0 78.3 79.7 80.3 79.0 79.0 51.0 81.0 77.3 79.7 30.0 80.7 61.3 81.3 81.3 81.3 <u>></u> 34.3 85.3 6.3 86.3 86.3 86.3 86.3 31 .3 83.7 86.7 87.7 97.7 88.7 20.3 90.7 91.3 64.7 37. 93.0 85.7 88.3 39. 90.3 00.7 91.7 93.3 93.7 95.5 21.0 96.0 75.3 81.7 86.3 99.3 91.0 92.0 92.7 93.0 91.3 92.3 93.0 75.3 82.3 87.3 95.0 95.3 96.7 97.0 97.0

TOTAL NUMBER OF OBSERVATIONS 300

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 3	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ ⅓	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	26.0		4 7	5 a a 3	44.7	44.	44.	44.3	44.	44.7	44.7	44.3	44.	40.3	44	44.
≥ 20000	41.0	49 €	57.5	51.3		1.5	51.0	-1.0	51.0		51.0			+	51.	
≥ 18000	41.		50.n			1.0	51.0	1.0	51.7	51.0	51.0			1		
≥ 16000	41.	49.7	50.0	50.3		51.4	51.0	1.5	51.0	51.0						5.1.5
≥ 14000	a] •	43.3	5.1.3	50.7	51.7	1.3	51.3	1.3	51.7	51.3	51.3	51.3	51.3	1	51.7	51.3
≥ 12000	48.00	:0 · n	51.0	-1.3		52.0	52.0	52.D	52.C	52.0	32.0		* 2 . 0	+		<u> </u>
≥ 10000	24.3	- 1	54.7	55.0		36.0	56.E	55.0	56.0	56.5	56.7				1	
≥ 9000	4 0		5:.3	55.7		56.7	\$6.7	56.7	56 Y	56.7	55.7		56.7	+		55.7
≥ 8000	4 (7		59.0	59.3	50.7	61.0	61.0	61.3	01.	61.0	ol.	51.0	21.0	1		
≥ 7000	47.1		61.3	61.7	63.3	53.7	53.7	:3.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	10.0	50.0	67.0		1 1	54 - 3	54.7	54.7	64.7	64.7	64.7	54.7	64.7	1		64.7
≥ 5000	- 1 - 3	^1.3	54.0	64.3	66.	.6.3	67.0	57.0	67.	67.3	57.0	57.0	67.0	4	67.0	67.
≥ 4500	63.7	52.	64.7	65.0		67.7	68.3	A3.3	1,9.3		65.3	58.3	65.3	58.3		63.3
≥ 4000	1,0	1,2.3	65.7	55.0		58.7	69.3	59.3	63.4	69.3	69.3	6 . 3	59.3	+	69.3	57.3
≥ 3500	11.00		67.0		70.0	70.3	71.0	71.0	71.0	71.3	/145	71.3	71.3	71.7	71.3	71.3
≥ 3000	31.7	0.00	70.0		73.7	73.7	74.3	79.3	74.3	74.7	7407	7407	74.7	79 7	74,7	. <u>74.7</u>
≥ 2500	12.03		72.0	73.0		76.3	77.d	77.0	77.0	1	77.3	77.3	1 1 2 2	17.2	111.3	77.3
≥ 2000	35.1			77.7		-1.5	81.7	91.7	81.7	520.	82.7	92.0 92.7	87.C	32.0	87.0	
≥ 1800	50.	72.7	77.3		80.7	P1.7	52.3	F2.3		32.7			27.7		1	82.7
≥ 1500	57.3	76.	91.0		24.7	85.7	86.3	86.3					- 25 - 4	89.0	86.7	66.7
≥ 1200	57.7	77.	87.3		86.0	87.7	88.3	38.3			1 :		87.0	1 - 1 - 1	89.0	
≥ 1000	50.0	72.0	84.0		88.7	89.7	91.0				92.7	22.7	91.7	72.7	91.7	21.7
≥ 900 > \$00	5.3	78.3	84.7	86.7			91.7	92.0		7	, ,		92.7		93.3	72.7
≥ 800		73.3	35.0	96.7		91.1	92.3	94.3			93.3			95.7		
≥ 700	58.3		86.0		1 - 1		1			1				,		97.3
≥ 600	59.1	79.0		P8.D		92.7	94.7	95.7	95.7							
≥ 500 > 400	58	79.0	86.3	68.0	1 1	92.7	95.3	76.3			- 1	99.0	1		1	99.3
≥ 400		79.0		86.0		02.7	95.3	96.3 96.3								99.3
≥ 300	59.	(' - ')	86.3	68.0			l			ſ	, ,] -			
≥ 200	54.3	79.	\$5.3				95.7	96.7			99.7			100.0		
≥ 100	5.5	7	86.3	88.0	11		1	96.7	37.0					F		F
≥ 0	[N • 1	79.	86.3	AB.C	91.6	93.0	95.7	76.7	A 1 . L.	99.6	59.7	74.7	# UU • E	100.0	<u> </u>	K U U . O

OTAL NUMBER OF OBSERVATIONS

₹55

CEILING VERSUS VISIBILITY

STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) ≥ 10 ≥ 1% | ≥ 1% ≥ 1 ≥ % 39.7 NO CEILING ≥ 20000 48.7 49. 49. 49.0 ≥ 14000 ≥ 12000 11.1 47.0 44.0 49.3 47.0 45.3 40.3 ≥ 10000 57.7 42.0 62.0 44.3 64.3 44.3 61.9 63.3 65.0 65.7 65.7 65.7 65.7 67.3 59.3 69.3 69.3 69.3 69.3 69.3 69.3 77.3 77.7 77.1 77.0 77.7 77.7 77.7 74.7 77.7 85.7 33.7 82.3 A6.3 91.0 91.0 91.0 91.0 91.3 91.3 93.3 93.3 93.7 92.3 93.7 93.7 83.7 93.7 84.7 48.7 97.0 92.5 94.5 94.3 96.0 96.0 96.0 95.0 96.0 3 AS.7 AS.7 91.7 26.3 76.3 96.7 26.7 E1.7 36.7 9C.3 97.7 37.7 97.7 97.7 98.7 98.0 24.7 97.0 99.6 28.3 78.3 93.3 98.7 99.0 59.0 93.3 99.0 99.3 99.3 94.7 78.3 90.3 59.3 99.3 19.3 99.7 99.7 58.3 99. 99.7 99.7 99.3 21 .7 93.3 56.0 98.5 98.3 98.3 99.3 99.3 99.3 99.7 99.7 99.7

TOTAL NUMBER OF OBSERVATIONS

370

CEILING VERSUS VISIBILITY

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11

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MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LL S T :

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	ES)						
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	2 %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	41.7	41.7	42.0	40.0	42.0	42.0	42.5	40.0	42.0	42.0	42.0	47.0	42.0	42.5	42.0
≥ 20000	40.4	48.3	45.3	4 - 7	40.7	40	49.0	49.0	49.0	40.0	47.0	49.0	49.17	49.0	49.0	49.
≥ 18000	11.	44.7	48.7	49.6	40.3	49.3	49.3	49.3	40.2	49.3	49.3	49.3	40.3	49.3	49.3	45.5
≥ 16000	47.	B9.0	49.0	49.3	43.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	91.3	49.7	49.7	58.0	50.3	SØ • 3	5G.3	5C • 3	50.3	50.3	50.3	50.3	50.3	±0.3	50.3	50.3
≥ 12000	1.3		50.0	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	5 C.7	50.7	53.7	50.7	50.7
≥ 10000	43.7	53.3	53.7	54.0	54.3	54.3	54.3	64.3	54. 4	54.3	54.3	54.3	54.1	54 . 2	54.3	54.3
≥ 9000	4.40.0	53.7	54.3	54 . 7	55.0	15.0	55.0	55.0	55.0	55.4	55.0	55.0	55.0	55.0	25.0	55.0
≥ 8000	46.63		58.7	59.3	60.3	50.3	60.3	(2.3	60.3	60.5	60.3	ec. J	60.3	60.3	67.3	61,08
≥ 7000	47 .	56.7	50.7	60.3	11.3	-1.3	61.3	61.3	61.3	51.3	61.3	61.3	11.3	61.3	61.3	61.3
≥ 6000	47.7	50.3	6	61.3	62.0	€5.0	62.C	62.0	62.0	52.0	15.0	62.0	52.0	62.	62.0	62.0
≥ 5000	~ 3 • 5	43.7	62.7	63.7	65.	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	55.3	65.3	÷5.3
≥ 4500	• 3	53.3	64.7	65.7	67.0	57.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3		67.3	67.3
≥ 4000	1.7	45.€	65.3	67.3	64.7	69.0	69.0	59.0	69.0	69 . U	69.7	69.0	67.0	69.0	69.C	
≥ 3500	:4 • 0	67.7		70.3	71.7	72.0	72.0	72.7	77.7	72.5	77.1	72.0	72.0	72.0	72.0	
≥ 3000	57.7	71.7	74.0	75.3	75.7	77.3	77.3	77.3	77.4	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	` → • 7	74.7	77.0	74.3		30.7	80.7	80.7	80.7	8C . 7	87.7	80.7	e~.7	80.7	80.7	50.7
≥ 2000	2.	78.3		52.0	87.7	24.3	84.7	24.7	34.7	84.7	94.7	24.7	84.7	84.7	84.7	A4.7
≥ 1800	. 5 . 3	74.7	31.7	8 . O	34.7	95.3	35.7	25.7	85.7	85.7	85.7	85.7	85.7	35.7	€5.7	85.7
≥ 1500	~ / • 3	85.43	83.7	55.3	87.3	்8 • □	88.3	48.3	68.3	86.3	8 a . 3	86.3	38.3	88.3	88.3	3
≥ 1200	1 € • 3	F1.0	84.7	86.7	89.5	20.0	90.3	°C • 3	34.3	90.3	90.3	90.3	40.43	90.3	98.3	90.3
≥ 1000	3 •	<i>⇒</i> 2 • 3	86.3	98.3	91.0	ა5•3	42.7	92.7	92.7	92.7	93.0	53.0	25.0	93.0		93.C
≥ 900	63.0	92.3	86.7	88.7		92.7	33.0	93.0	53.C	93.0	93.3	63.2	93.3	93.3	93.3	: 1
≥ 000	7. 7	42.3	86.7	39.3	92.3	4 to C	94.3	95.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	13.0	83.7	87.3	JU-2	23.7	75 . 3	96.0	76.7	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	63.3	93.3	87.7	96.7	94.0	95.7	96.3	77.3	97.7	96.0	98.3	98.3	09.3		98.3	98.3
≥ 500	63.0	33.3	87.7	90.7	94 . D	75.7	96.3	97.7	97.7	98.3	98.7	98.7	98.7	99.0	99.0	95.7
≥ 400	· 3 • î	23.3		95.7	94 • 3	06.0	96.7	98.0	98.0		99.0	99.3	99.0	99.3	99.3	99.3
≥ 300	: 3 • 1	73.3	87.7	90.7	94.3	96.0	76.7	95.D	98.0	98.7	99.7	99.0	99.0	99.3	99.3	99.3
≥ 200	63.	73.3	87.7	97.7	94.3	96.0	96.7	ಿ8 • ದಿ			99.0	99.0	99.3		100.0	
≥ 100	* 3 • 1	3.3	87.7	97	94.3	76.0	96.7	38.°	98.0	98.7	99.0	99.0	99.3	99.7	100.0	100.0
≥ 0	4.3.0	33.3	57.7	9.4	94.3	76.0	96.7	0.89	99.0	98.7	99.0	99.0	59.3	79.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

CEILING VERSUS VISIBILITY

SECTORER, IL PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET) ≥ 2 ≥ 6 ≥ 1% ≥ 1% ≥ 5/16 41. 41.7 41.7 41. 41.7 41.7 41. 91.7 41.7 91.7 81.7 41.7 NO CEILING ≥ 20000 49.7 45.7 49.7 49.7 49.7 49.7 29.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 43.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 49.7 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 °C.0 50.0 ≥ 14000 ≥ 12000 51.0 51.0 51.0 51.0 51.0 51.5 51.0 52.7 52.7 52.7 52.7 ≥ 10000 ≥ 9000 53.0 53.7 53.7 53.7 53.7 53.7 8000 7000 62.C 63.3 67.U 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 67.3 4500 4000 24.0 76.0 30.7 82.7 84 .0 34.0 84.0 84. 84.0 84.0 84-0 84-0 84-0 84-0 84-1 ≥ 2500 ≥ 2000 79.0 87.0 84.0 35.7 85.0 86.0 86.0 86.0 86.0 86.0 86.0 86.0 1500 90.0 90.0 90.0 1200 1000 89.3 92.3 93.5 93.0 93.0 93.0 93.0 93.0 900 800 · 5.7 83.3 87.0 90.0 93.7 04.3 94.3 04.3 94.3 94.3 94.3 94.3 94.3 98.3 92.0 96.3 97.0 97.7 98.3 98.3 98.3 98.3 98.3 98.3 96.3 97.0 97.7 98.3 98.3 98.3 98.3 92.0 96 . 3 97.0 97.7 98.3 98.3 98.3

97.7 98.3

98.3

98.3 96.3

98.3 98.3 98.3 98.7

99.3

98.7 98.7

VISIBILITY (STATUTE MILES)

99.3

9.0 99.0 99.3

99.3

98.7 99.3 99.3 99.7100.0

99.7800.0

DIRNAVOCEANMET

48

94.7 89.7 92.0

96.3 97.0

96.3

CEILING VERSUS VISIBILITY

GESS CLESSIES, IL 73-92
STATEM STATEMENT

MõNTH ? 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ·0. 57.7 NO CEILING 50.7 5 C . 54.7 54.7 ≥ 20000 54.7 54.7 54.7 54 . 7 54.7 54.7 54 . 7 54.7 54.7 54.7 54.7 54 - 7 54 - 7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 54.7 55.C 55.7 55.0 55.D 55.0 55.0 55.0 55.0 55.C 35.0 55.C ≥ 14000 ≥ 12000 ≥ 8000 ≥ 7000 3 69.7 69.7 69.3 59.3 69.3 69.3 69.3 69.3 69.3 69.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 71.3 70.7 71.0 71.3 79.0 79.7 79.3 79.3 79.3 79.3 79.3 79.3 79.3 3500 3000 ≥ 2500 ≥ 2000 ₹ 900 800 93.0 94.7 94.7 88.0 92.3 94.0 96.3 96.7 500 400 46.7 88.3 93.0 95.0 97.3 97.7 98.0 98.3 98.3 7 68.3 93.0 95.0 97.3 97.7 98.0 98.3 98.3 98.3 98.3 7 68.3 93.0 95.0 97.3 97.7 98.0 98.3 98.3 98.3 98.3 56.7 68.3 93.7 95.0 98.3 98.3 98.7 98.7 98.7 97.7 98.3 98.3 98.3 98.3 98.0 98.7 99.3 97.3 97.7 98.0 98.3 98.3 98.3 98.7 99.0

TOTAL NUMBER OF OBSERVATIONS

300

CEILING VERSUS VISIBILITY

14-35 CESTATES, IL

73-27

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUDS (L S T

CEILING (FEET)		VISHBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 14	≥ 1	2 %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.5	43.3	44.2	44.5	44.6	44.7	44.7	44.8	44.9	3.00	44.5	44.8	44.8	44.8	44.8	44
≥ 20000	41,7	48.7	47.7	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	57.6	50.6	30.6	50 a 6
≥ 18000	41.	48.5	49.5	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50 - 7
≥ 16000	41.	48.0	47.7	53.3	57.6	50.6	57.7	50.8	50.0	50.8	50.8	50.8	50.8	50.8	57.6	50.1
≥ 14000	42.7	49.1	50.1	50.6	50.6	50.7	51.0	51.0	51.9	51.0	51.0	51.0	51.0	51.0	51.0	51.
≥ 12000	42.5	49.9	50.9	51.4	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.3	51.8	51.8	51.8	51.
≥ 10000	45.0	42.4	54.6	55.1	55.4	55.5	55.5	15.6	55.6	55.6	35.6	55.6	55.6	55.6	55.6	55.4
≥ 9000	45.2	53.3	55.0	55.6	55.9	55.9	56.0	56 . C	56.0	56.0	56.0	56.3	56.0	56.0	56.0	56.
≥ 8000	44.6	56.9	6J.	51 - 1	61.6	41.7	61.8	51.8	61.8	61.E	61.8	51.0	61.8	51.5	61.8	61.
≥ 7000	40 · #		61.9	62.7	63.3	€3.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63,
≥ 6000		51.2	63.0	63.8	64.5	64.5	64.7	64.8	64.8	64.8	54.6	64.5	64.5	64 . 8	64.5	64.
≥ 5000	11.3	63.3	65.3	66.3	67.0	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.
≥ 4500	2.2	54 . H	67.5	68.D	60.8	€9.0	69.1	69.2	69.7	59.2	69.2	69.2	69.7	69.2	69.2	69.
≥ 4000	13.6	66.7	69.2	70.3	71.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.
≥ 3500	54.9	68.8	71.3	72.3	73.4	73.5	73.7	73.8	73.9	73.8	73.8	73.8	73.8	73.9	73.8	~3.
≥ 3000	57.0	71.5	74.4	75.7	77.0	77.2	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.
≥ 2500	2.6	74.3	77.1	78.6	80.0	PO . 3	80.5	20.7	30.7	80.7	30.7	&C.7	87.7	90.7	80.7	80.
≥ 2000	20.2	76.5	79.9	11.5	83.1	83.5	83.9	84.0	84.0	84.1	54.1	84.1	34.1	84.1	84.1	84.
≥ 1800	5	77.0	80.5	92.1	83.7	64.1	84.5	84.7	24.7	84.7	84.7	84.7	84.7	84.7	84.7	64.
≥ 1500	/ 1 . 4	79.7	83.5	45.3	87.0	£7.4	87.9	98.1	56.1	84.1	88.2	88.2	85.2	88.2	88.7	.38
≥ 1200	1.7	90.7	84.8	86.9	88.7	89.3	89.8	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.
≥ 1000	12.3	81.7	86.0	88.4	90.4	91.2	91.8	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.
≥ 900	. 2 . 5	31.5	86.3	88.8	91.0	91.8		92.3	92.8	93.0	93.1	93.1	97.1	93.1	93.1	93.
≥ 800	62.3	82.4	87.0	87.5	92.0	93.0	93.7	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.
≥ 700	€2.1	23.0	87.7	90.3	92.9	33.9	94.8	95.2	95.3	95.6	95.8	95.8	95.8	95.2	95.8	95.
≥ 600	52.2	93.3	84.3	91.0	93.7	94.7	95.6	96.3	96.3	94.7	76.7	96.9	47.0	97.0	97.3	97.
≥ 500	52.2	93.3	89.5	91.3	94 . 2	95.1	96.3	97.0	97.1	97.6	97.8	97.8	98.3	98.3	98.C	99.
≥ 400	52.2	93.4	88.7	91.5	94.5	95.5	96.8	97.5	97.5	98.0	98.3	98.3	98.5	98.5	98 . 5	98.
≥ 300	52.2	43.4	88.7	91.6	94.6	75.6	96.9	97.7	97.8	98.3	98.6	75.6	98.8	98.9	99.1	99.
≥ 200	02.2	83.4	88.7	91.6	94 . 6	95.7	96.9	97.7	97.8	98.4	78.7	98.8	99.0	99.1	99.4	99.
	1.7 . 2	23.0	89.7	91.6	94.6	45.7	96.9	97.7	97.8	98.4	98.7	98.8	99.2	99.3	99.5	99.
≥ 100 ≥ 0	52.2				94.6		96.9	97.7	97.8	98.4	98.7	78.8				

TOTAL NUMBER OF OBSERVATIONS

2400

CEILING VERSUS VISIBILITY

14355

SLESFIEW, IL

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (L S T)

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	.ES)						
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 11/2	≥ 114	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/14	≥ 4	≥ 0
NO CEILING	42.7	54 . 8	56.1	56.1	56.8	56.8	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	43.0	57.1	54.7	58.7	59.4	59.4	60.0	h0.3	60.3	60.3	50.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	.4.2	57.4	59.0	59.0	59.7	59.7	60.3	63.7	67.7	60.7	60.7	6C.7	60.7	60.7	60.7	60.7
≥ 14000	14.2	57.4	59.1	59.0	59.7	59.7	60.3	60,7	67.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	44 • 2	37.7	59.4	59.4	60.0	50.0	6C.7	61.0	61.0	61.C	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	44.0	58.4	60.7	40.3	61.0	61.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	49 - 4	63.2	65.5	66.5	67.1	67.1	67.7	68.1	68.1	66.1	68.1	68.1	65.1	68.1	68.1	60.1
≥ 9000	56.7	44.5	66.8	67.7	69.4	68.4	69.0	59.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 8000	4 - 5	69.7	77.6	73.6	74 . 2	74.2	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	56.1	72.6	75.5	76.5	77.1	77.1	77.7	78.1	73.1	78.1	78.1	78.1	78.1	78.1	75.1	78.1
≥ 6000	57.1	73.6	76.5	77.4	73.1	78.1	73.7	79.0	79.0	79.0	79.0	79.0	79.0	79.3	79.0	79.0
≥ 5000	57.4	74.5	77.4	78.4	79.	79.0	79.7	80.0	80.0	*D.D	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	57.4	74.5	77.4	78.4	79.0	79.2	79.7	87.0	80.0	80.0	80.0	60.0	30.0	30.0	80.7	90.0
≥ 4000	23.0	76.5	79.7	80.7	81.6	81.6	92.3	32.6	67.6	82.6	\$2.6	52.6	82.6	62.6	82.6	22.6
≥ 3500	59.7	78.7	81.6	82.6	83.6	63.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	24.5	64.5	84.5
≥ 3000	57.7	79.0	82.3	83.2	84.2	R4.2	95.2	95.5	85.5	85.8	85.8	85.8	85.8	85 . 8	85.8	#5.8
≥ 2500	40.0	79.7	82.9	83.9	84.8	64.8	85.8	86.1	86.1	86.5	86.5	86.5	66.5	86.5	86.5	86.5
≥ 2000	00.3	20.7	84.2	85.2	86.5	86.5	87.4	97.7	87.7	88.1	88.1	88.1	88.1	88.1	89.1	88.1
≥ 1800	A 3 . 3	91.7	84.5	€5.5	86.8	86.8	87.7	86.1	88.1	86.4	88.4	88.4	\$8.4	88.4	88.4	88.4
≥ 1500	-0.7	81.6	85.2	86.5	87.7	87.7	88.7	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	46.7	51.9	85.5	67.3	88.4	98.4	89.4	89.7	89.7	90.0	90.0	90.0	90.0	70.0	90.0	90.0
≥ 1000	61.7	82.6	56.1	#7.7	89.0	89.0	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	53.0	52.6	86.1	87.7	89.0	59.0	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	1.0	92.6	16.1	77.7	89.0	29.0	90.0	90.3	90.3	96.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	1.9	£3.2	87.1	84.7	90.0	60.0	91.0	71.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	01.6
≥ 400	51.0	83.6	87.4	89.4	90.7	91.0	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 500	61.	F3.9	68.4	90.7	91.9	92.3	73.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 400	-1.7	83.9	88.4	90.7	92.3	92.6	73.9	94.2	44.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 300	(1.0)	84.2	84.7	91.0	*2.6	02.9	94.5	95.2	95.2	95.6	95.8	95.8	95.8	95.8	96.1	96.1
≥ 200	51.7	84.2	88.7	91.0	92.6	93.2	94.8	95.8	95.8	96.5	96.5	94.5	96.8	76.8	97.1	97.1
≥ 100	51.07	54.2	84.7	91.0	92.6	73.2	94.8	05.8	95.8	96.5	96.5	76.5	96.8	96.8	97.4	98.1
≥ 0	61.0	84.2	88.7	91.0	92.6	93.2	94.4	95.8	95.8	96.5	96.5	96.5	96.8	96.4		00.0

TOTAL NUMBER OF OBSERVATIONS

315

CEILING VERSUS VISIBILITY

14355 CLESVIEW, IL

. 3n

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ \$	≥ 4	≥ 3	≥ 216	≥ 2	≥ 1%	21%	≥1	2 %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.7	48.4	50.7	52.6	52.9	53.6	53.9	53.0	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.
≥ 20000	34.4	52.6	54.8	55.6	57.1	57.7	58.1	19.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	39.
≥ 18000 ≥ 16000	39.4	52.6	54.8	56.8 56.5	57.1	57 . 7	58.1	58.1	56.1 58.1	58 - 1 58 - 1	58 • 1 58 • 1	56.1	59.1 59.1	58.1 58.1	58.1 58.1	58
≥ 14000 ≥ 12000	39.7	52.9	55.2 55.8	57.1 57.7	57.4	58 • 1 58 • 7	58.4	59.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	54
≥ 10000	43.2	57.4	60.0	61.9	62.3	62.9	63.2	63.2	63.2	59.8 63.2	59.D 63.2	59.0 63.2	59.D 63.2	59.0 63.2	63.7	
≥ 9000	43.7	58.4	61.0	62.9	63,2	£3.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	54
≥ 8000 ≥ 7000	48.4 >0.3	56.5	67.1	69.0	71.9	70.0	70.3	76.3 72.9	70.3 72.9	70.3	70.3	70.3 72.9	70.3	70.3	70.3	1
≥ 6000 ≥ 5000	52.6	68.1 71.0	71.0	73.2	73.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74 . 8	74.8	74
	52.9			76.5		78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
≥ 4500 ≥ 4000	52.9	71.9	75.5 76.1	77.7	78.4	79.4 80.7	79.7	79.7	81.0	81.0	79.7	79.7	79.7 81.0	79.7 81.0	79.7 81.0	79
≥ 3500 ≥ 3000	>3.5	74.5	74.4	81.0	81.6	82.9	83.2	83.2	63.2	83.2	83.2	83.2	83.2	83.2	83.2	£ 3
	34.2	76.1	80.3	92.9	84.2	25.5	85.8	25.8	85.3	35.8	85.8	85.6	85.8	85.5	85.5	25
≥ 2500 ≥ 2000	4.5	76.8	81.6	83.6	85.5	88.1	87.1	67.1 88.7	87.1	87.1	27.1	87.1	87.1	87.1	87.1	88
≥ 1800 ≥ 1500	54.3	77.1	81.9	84 . 8 35 . Z	87.1 87.7	88.4	89.0	89.0	89.0	89.0	69.0	89.0	80.0	89.0	89.0	89
≥ 1200	7 . 2	78.4	83.2	86.1	89.0	89 . ii	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91
≥ 1000	15.5	78.7	84.2	87.4	90.3	-1.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92
≥ 900 ≥ 800	35 • 5 : 5 • 5	78.7	84.2	87.4 88.4	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	97.9	92.9	92.9	92 94
≥ 700	55.5	79.4	85.2	88.4	91.3	°2.6	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94
≥ 400	.5.¢	79.4	85.2	83.4	91.6	92.9	94.5	74.5	94.5	.4.8	94.8	94.8	94,7	94.8	94.8	94
≥ 500 ≥ 400	5.5	79.4	85.2	28.7	91.9	93.2	94.8 95.5	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	96
≥ 300	55.5	79.4	85.2	86.7	92.6	93.9	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.5	96
≥ 200	-5.5	79.4	85.2	88.7	92.6	93.9	95.5	75.5	95.5	96.1	97.1	97.1	97.4	97.4	97.7	97
≥ 100 ≥ 0	55.5	79.4	85.2	88.7	92.6	93.9	95.5 95.5	95.5 95.5	95.5	96.5	97.4	97.4	98.1 98.1	98.1	78.4	99

TOTAL NUMBER OF OSSERVATIONS

310

CEILING VERSUS VISIBILITY

14395

OLCSVIEW, IL STATION NAME

73-92

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 14	≥ 1	≥ %	≥ 4,	≥ 16	≥ 5/14	≥ %	≥ 0
NO CEILING	34.5	45.8	49.4	52.3	52.3	2.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54 .
≥ 20000	36.9	48.4	52.6	55.8	55.8	56.8	58.1	49.1	58.1	58.1	58.1	59.1	54.1	58.1	58.4	59.4
≥ 18000	36.0	48.4	\$2.6	55.8	55.8	56.8	58.1	58.1	59.1	58.1	53.1	56.1	54.1	58.1	58.4	. 8 .
≥ 16000	16.	48.4	52.6	55.8	55.8	56.8	56.1	58.1	58.1	54.1	58.1	58.1	58.1	58.1	58.4	55.
≥ 14000	36.0	48.4	52.4	55.8	55.8	-6 . a	59.1	56.1	58.1	50.1	58.1	58.1	55.1	58.1	58.4	58.
≥ 12000	37.4	50.0	54.2	27.4	57.4	58.4	67.0	53.0	60.7	60.0	60.0	60.0	60.0	50.C	60.3	60.
≥ 10000	35 . 7	32.6	57.3	60.3	60.3	61.3	62.9	£3.2	63.2	63.2	63.2	63.2	53.2	63.2	63.6	63.
≥ 1900	311 . 4	53.6	56.1	61.3	61.7	62.3	63.9	(4.2	64.2	64.2	64.2	64.2	64.2	64.2	64.5	64.
≥ 8000	-4.7	58.7	63.6	66.8	67.1	64 . 1	70.0	70.3	70.3	70.3	77.3	70.3	70.3	70.3	70.7	70 .
≥ 7000	44.5	60.0	64.8	68.1	69.D	70.2	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.6	72.
≥ 4000	45.0	61.	66.5	70.0	71.5	71.9	73.9	74.2	74.7	74.2	74.2	74.2	74.2	74.2	74.8	74.
≥ 5000	46.1	61.9	67.4	71.3	72.6	73.6	75.5	75.8	75.8	75 .8	75.8	75.8	76.1	76.1	76.8	76.
≥ 4500	40.5	62.3	67.7	71.6	77.9	73.9	75.8	76.1	76.1	75.1	76.1	74.1	76.5	76.5	77.1	77.
≥ 4000	46 . 5	63.2	64.7	72.6	73.9	74.5	77.1	77.4	77.4	77.4	77.4	77.4	77.7	77.7	78.4	78.
≥ 3500	47.1	64.5	70.0	73.9	75.2	76.1	78.4	78.7	75.7	78.7	78.7	78.7	79.0	79.0	79.7	79.
≥ 3000	47.4	66.5	72.3	76.5	77.7	78.7	81.0	41.3	61.3	81.3	81.3	51.3	£1.6	51.6	82.3	82.
≥ 2500	47.7	68.1	73.9	78.7	80.0	53.0	83.2	63.6	83.6	\$3.6	83.6	53.6	63.9	83.9	84.5	84.
≥ 2000	44.7	59.4	75.7	80.0	81.3	*2.3	44.5	24.8	84.9	85.5	85.5	05.5	85.0	85.8	86.5	86.
≥ 1800	49.0	69.7	75.5	80.3	81.6	·2.6	84.8	95.2	85.2	85.8	85.8	85.8	86.1	56.1	86.8	66.
≥ 1500	16 O . 4	70.3	76.1	81.0	82.6	P3.9	56.1	36.5	€6.5	87.4	87.4	87.4	87.7	67.7	88.4	. 3.
≥ 1200	49.7	70.7	74.8	81.6	83.6	F 8	87.1	47.4	97.4	88.4	87.4	58.4	98.7	88.7	59.4	89.
≥ 1000	49.7	71.3	77.4	82.3	84 - 2	85.5	87.7	38.4	86.4	89.4	89.4	89.4	90.0	73.3	90.7	90.
≥ 900	45.7	71.6	77.7	82.6	84.5	75.0	88.1	38.7	58.7	89.7	89.7	89.7	90.3	90.3	91.0	91.
≥ 800	47.7	71.9	73.7	83.9	P5 . B	57.1	47.4	90.0	93.0	91.0	91.0	91.0	91.6	91.6	92.3	92.
≥ 700	40.7	71.9	70.0	84.2	86.5	47.7	97.0	90.7	97.7	91.6	91.6	91.6	97.3	92.3	92.9	92.
≥ 600	49.7	72.3	79.4	84.5	86.8	88.4	90.7	91.3	91.3	92.3	92.3	92.3	92.9	92.9	93.6	93.
≥ 500	0.0	72.9	80.0	.5.2	87.7	67.4	91.6	92.6	92.6	94.2	94.2	94.2	94.8	94.8	95.5	95.
≥ 400	50.0	72.9	80.0	P5.2	86 . 1	98.0	92.3	93.2	93.2	94.8	94.5	94.8	95.8	95.8	96.5	96.
≥ 300	30.0	72.9	80.0	85.2	88.1	90.0	92.3	93.2	93.2	75.2	95.2	95.2	96.1	96.1	97.4	97.
≥ 200	50.0	?2.9	80.C	85.2	88.1	90.0	97.3	93.2	93.2	93.2	95.0	75,8	97.1	97.4	98.7	98.
≥ 100	43.C	72.9	83.0	35.2	88.1	90.C	92.3	43.2	93.2	95.2	95.8	95.8	97.1	97.4	98.7	99.
2 0	50.0	72.9	87.0	85.2	88.1	93.0	92.3	93.2	93.2	95.2	95.8	95.8	97.1	27.5	98.7	LDG.

TOTAL NUMBER OF OBSERVATIONS

310

CEILING VERSUS VISIBILITY

14355 SECTION STATION BANE 75-52 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE 39

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VII	HOILITY (ST	ATVTE MIL	£5)			•			
(FRET)	≥ 10	≥ 6	≥ \$	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ 4	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.6	96.5	49.7	TC . 3	50.7	CO.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	i .	50.7
≥ 20000	46.00		54.8		55.8	55.8	55.6	55.0	55.0	55.9	55.8	\$5.8	55.8	55.8		55.5
≥ 10000 ≥ 16000	40.00		54.5	55.5	55.8	15.8	55.8	55.8	55.8 55.5	55.8 55.8	55.8	55.8	55.6 55.8	55.8	55.8	55.8
<u> </u>	413.0	51.6	54.9		55.8	55.0	55.8	55.8	55.8	55.6	55.8	55.8	55.0	55.8	55.	55.8
≥ 14000 ≥ 12000	40.7	52.9	54.5	57.1	57.4	17.4	57.8	57.6	57.4	37.8	57.6	57.4	57.8	57.4	57.4	57.4
≥ 10000	12.9	56.1	50.0	60.7	61.6	11.9	61.9	/1.9	61.9	61.9	61.9	61.9	67.9	61.9	61.9	61.9
≥ 9000	13.7		69.3	61.0		62.3	62.3	(2.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	46.1	59.4	63.9	£4.8	65.8	56.1	66.5	46.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	56.5
≥ 7000	47.1	6.7	65.2	66.5	67.4	68 - 1	68.4	50.4	68.4	68.4	66.4	56.4	6.8.4	68.4	69.4	68.4
≥ 4000	47.1	11.3	55.8	€7.1	68.4	59.0	64.4	67.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 5000	47.1	62.3	67.1	66.4	69.7	77.3	71.0	71.0	71.7	71.0	71.0	71.0	71.0	71.0	71.0	71.5
≥ 4900	47.4		67.4		70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3		71.3	71.3	71.3
≥ 4000	49.4		7 .0		72.t	73.2	74.2	74.2	74.2	74.2	74.2	74.2	79.7	74.2	74.2	
≥ 3500	0.3	67.1				75.8		77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	1
≥ 3000	1.6		74.5			78.7	79,7	a.) • C						30 - C		EC-0
≥ 2500	34.2	72.9				12.6	43.6	43.9	I	83.9	63.9	83.9	1	83.9	83.9	83.9
≥ 2000	5.7	77,9	77.0			63.9	94.8	35.2	85.2	85.2	85 a Z	<u> 55.2</u>	85.2	85.2	85.2	55.2
≥ 1900 ≥ 1500	.5.2	1 - 1	70.4		83.6	34.2	85.2	45.5	85.5	25.5	المتما	85.5	1 7 7 7	85.5	85.5	85.5
	* 5 . 5	75.5	3 . 7	22.6	80.8	95.5		30.0	86.5	36.3	00.5	30 . C	36.8	36.8	80.5	£6.8
≥ 1200 ≥ 1000	55.°	76.5	41.9		86.8	77.7	88.7	89.0				89.0		1	i	89.0
		78.3	83.7		88.4	37.0	9D.3	95.7			01.0	91.0				91.7
≥ 900 ≥ 900	56.1		83.6	+5.8		93.3	91.3	71.6		71.6	91.9	91.9	\$1.9		91.9	91.9
	56.1	78.4	84.7	86.5	91.7	92.9	92.6	92.9	97.9		94.5	94.5	91.2	93.2	93.2	93.2
≥ 700 ≥ 400	55.1	78.0	84.2	96.5	}	93.2	94.2	75.2	95.2	94.2	95.5	95.5	95.5	95.5	93.5	7442
≥ 500	50.1	78.4	84.5	86.8	91.3	43.9	94.8	96.1	96.1	96.5	96.8	96.4	96.8	96.5	96.8	96.8
≥ 400	56.1	78.4	84.5	26.8	91.6	34.Z	95.2	96.5	26.5	76.5	97.1	97.1	97.1	97.7	97.7	
≥ 100	56.1	78.4	84.5	26.8	91.6	94.2	95.2	76.5	96.5	97.1	97.7	97.7	99.1	98.7	98.7	98.7
≥ 200	50.1	78.4	84.5	86.8	91.6	94.2	95.2	90.8	96.8	97.9	28.1	98.1	77.4		200.0	
≥ 100	50.1	78.4	84.5	26.8	91.6	64.2	95.2	96.8	96.8	97.4	98.1	98.1	99.4	00.0	100.3	100.0
≥ 0	54.1	78.4	84.5	A6.5	91.6	74.2	95.2	96.8	76.8	97.4	98.1	78.1	77.4	00.0	100.0	00.0

OTAL NUMBER OF OSSERVATIONS 310



CEILING VERSUS VISIBILITY

14-57 SETUTERS IE 77-40 PAY VEAUS ROOTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	_						VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	34 • 7 38 • 7	43.6	44.8 51.9	45.5 52.6	45.1 53.6	46.1 53.6	46.1 57.6	40.1	45.1 53.6		46.1 53.6	46.1 53.6	45.1 53.6	46.1 53.6		
≥ 18000 ≥ 76000	34.7	50.7	51.5	52.6	53.6	53.6		53.6	53.6		53.6	53.6	53.6	53.6		53.6
≥ 14000 ≥ 12000	32.7	50.7	51.9	52.6		54.3	53.6		53.6		53.6 59.6	53.6	53.6	53.6	53.6	53.6
≥ 10000 ≥ 9000	44.2		61.7	61.6		52.9	62.9	62.9	62.9	62.9	62.9	62.9				62.9
≥ 8000 ≥ 7000	68 . 1		64.8	65.8	66.8	67.1	67.1	57.1 57.7	67.1	67.1	67.1	67.1 67.7	67.7	67.1	67.1	67.1
≥ 4000 ≥ 5000	49.4	52.9	65.8	66.8	7	68.1	68.1	63.1	68.1	58.1	68 • 1 69 • 7	58.1 69.7	69.3	68.1	68.1	68.1
≥ 4500 ≥ 4000	0.0	56.5 69.0	69.4	70.3		71.6	71.6	71.6	71.4	71.5	71.6	71.6	71.6 75.2	71.6 75.2	71.6 75.2	71.6 75.2
≥ 3500 ≥ 3000	57.1	73.9	77.1	76.4		60.0	80.0 84.8		30.0		80.0	90.0	80.0	+	80.7	E0.0
≥ 2500 ≥ 2000	8.4	79.4	82.9	84.5	36.1	97.1	87.1		87.1	87.4	27.4	87.4	84.8 87.4 88.7	87.4	i	37.4
≥ 1800 ≥ 1500	59.0	81.5	84.8	96.8 88.1	88.0	39.4	87.4		89.4	29.7	89.7	88.7 89.7 91.6	89.7	89.7		89.7
≥ 1200 ≥ 1000	3.7	82.6		89.0	91.3	<2.3 93.6	92.3	72.3	92.3		1	92.6	97.6		92.6	02.6
≥ 900 ≥ 800	0 0 0 0		87.7	90.3		73.9	93.9	73.9	93.0	94.2	94.2	93.9	94.2	94.2	,	94.2
≥ 700 ≥ 400	50.0		88.4	91.0	93.9	95.2	95.5		95.6	90.1	96.1	95.8	96.1	95.8	95.5	
≥ 500 ≥ 400	0.00 0.00 0.00		\$5.7	91.3 91.3	94.5	95.8	97.4	97.4	1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300 ≥ 200	7.U.S	33.9	88.7	91.6	94.5	97.4	98.1	98.1	97.4 98.1 98.4	99.0	- 1	99.0		99.0	98.1 99.0	99.0
≥ 100 ≥ 0	50.0	53.9		91.6	74.8	97.4		78.4	98.4	99.4	99.7	99.7	99.7		100.0	100.0

TOTAL NUMBER OF DESERVATIONS

CEILING VERSUS VISIBILITY

19355 OLSTVIEW, IL 73-92 TEAMS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 E

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	2 %	≥ 5/16	≥ 1 ₀	≥ 0
MO CEILING ≥ 20000	30.4	42.5 50.3	43.0 51.6		44.7 51.9	14.2	44.2 52.3	44.2	44.2 52.3	44.2 52.3	49.2 52.3	44.2	44.2 52.3	44.2 52.3	44.2 52.3	14.2
≥ 18000 ≥ 16000	1.	50 • 3	51.9	51.9	57.3	·2.3	52.5 52.6	52.6	52.6	52.6 52.6	52.A 52.6	52.6	52.6	52.6 52.6	52.4 52.5	52.6
≥ 14000 ≥ 12000	-1.5	52.5	52.3 54.8	52.3	52.6 55.2	52.6 *5.2	52.9 55.5	52.9 55.5	5?.9 55.5	52.9 \$5.5	52.9 55.5	52.9	52.9	52.9 55.5	52.9	52.9
≥ 10000 ≥ 9000	47.1 47.1	57.7	60.0	60.0 60.3	60.7 51.0	60.7 61.0	61.J	51.0 t1.3	61.7	61.7	61.3	61.0	61.3	61.0 51.3	51.5 61.3	61.3
≥ 8000 ≥ 7000	2.3	65.2 65.2	62.1	68.1	68.7 68.7	68.7	69.0	59.0 69.0	69.7	69.0 69.0	69.0	69.0 69.0	59.D	59.3 69.€	69.7 69.0	60.0
≥ 6000 ≥ 5000	3.2	' '	69.7 73.0	68.7 70.0	69.4 75.7	69 .4 70 . 7	69.7	49.7	69.7	69.7 71.0	67.7	69.7 71.0	69.7 71.0	69.7 71.0	69.7	69.7
≥ 4500 ≥ 4000	53.7	57.7 70.3	71.0 73.9	71.0		71.6	71.9 74.8	71.9	71.7	71.9	71.9 74.6	71.9. 74.3	71.9 74.8	71.9		71.9
≥ 3500 ≥ 3000	± € . 4		1 1 1)	79.4 86.5	79.7 56.8	79.7	79.7	79.7 86.8	79.7	79.7	70.7	79.7 86.8	79.7	79.7
≥ 2500 ≥ 2000	3.6		87.1	87.1 87.4	87.7 88.4	87.7 88.4	89.1	*8.1 38.7	88.1	98.1 88.7	88.7	88.1	88.1 58.7	58.1 88.7	88.1	68.1 BB.7
≥ 1800 ≥ 1500	3.5		87.7 89.7		88.7 90.7		99.0	89.5 91.3	89.n	59.0 71.3	91.5	91.3	89.0 51.3	89.A	89.7 91.1	21.3
≥ 1200 ≥ 1000	63.9	84 • 5 35 • 2	90.3 91.5	90.3 91.0	92.6	92.6 93.2	93.2	33.2 93.9			97.2	93.2	93.2	93.2	93.2	23.9
≥ 900 ≥ 900	• 4 • 2	55.8 35.8		92.6	94.8	94.5	95.2 95.5	95.2	95.5	95.5	95.2	95.2	95.2	95.2	95.7	95.5
≥ 700 ≥ 400	64.2	26.1 20.1	92.5	93.2	95.5	°5.2	96.1	75.8	96.1	95.8			95.5	95.6 96.5	95.8 96.5	95.8 96.5
≥ 500 ≥ 400	54.2	36.1	92.6	93.2		96.5	97.1	97.4			97.4	97.4	93.7	93.7		58.7
≥ 300 ≥ 200	54.2 54.2	36.1	92.6			96.5		78.4	98.4		99.5	99.4	99.7	99.7		99.1
≥ 100 ≥ 0	J 4 . ?	36.1	92.6			6.5 6.5		98.4	98.7 98.7		1			00.0		

PATAL MINNESS OF ORGENATIONS

310

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

CEILING																
(FERT)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 11/3	≥ 1%	2.1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING	37.4	44.0	45.2	45.5	45.0	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	48.5	45.5
≥ 20000	43.9	51.3	51.6	51.9	51.9	51.9	51.9	71.7	51.9	51.9	51.9	51.9	51.0	51.9	51.9	51.9
≥ 18000	34.2	51.6	51.9	52.3	52.3	52.3	52.3	2.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	57.3
≥ 16000	44.7	51.5	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	5.2.3	57.3	52.3	52.3	57.3
≥ 14000	:4.5	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	57.6	52.6
≥ 12000	45.3	54.2	54.5	54.8	54.8	54 . 8	54.8	54.8	54.5	54.8	54.8	54.8	54.8	54.6	54.4	54.8
≥ 10000	98.4	55.1	58.7	50.0	59.0	59.0	59.0	5.9.0		59.4	50.4			59.4	59.4	59.4
≥ 9000	40.4		5.7.4		59.7	59.7	59.7	59.7	59.7	50.3				60.0	60.0	00.0
≥ 8000	54 . 5				66.8	66.8	66.R	66.9	65.8	67.1	67.1		1	67.1	67.1	67.1
≥ 7000	⇒5 •3	8.60	67.7		58.1		63.1					66.4			68.4	·
≥ 6000	35.41	59.7	7 .7	71.0	1	71.0				,	71.3	71.3	i		,	71.3
≥ 5000	·1.	73.2					74.8					75.2			75.2	
≥ 4500	53.€	76.5		78.1	78.1	78 . 4	78.4	78.4	78.4		78.7	78.7	78.7		ı	70.7
≥ 4000	64.8						81.3				61.6	61.6		81.6		61.6
≥ 3500	65.8				82.6	62.5	93.2	33.2			83.6	83.6				23.6
≥ 3000	53.1	1		85.B	86.5		87.4	97.4	87.4		87.7	87.7				87.7
≥ 2500	58.1	`	85.2	85.8	36.5	97.7	87.7	57.7		1	88.1	88.1	89.1	88.1	88.1	88.1
≥ 2000	56.4	84.2	85.5	27.4	88.1	39.4	89.4	59.4	89.4	89.7	89.7	89.7		89.7	89.7	89.7
≥ 1800	4.6			1	86.1	59.4	89.4	89.4	89.4		7 . 7 1	80.7				
≥ 1500	30.4			87.7		69.7				90.7			90.7			+ -=. <u>-</u> -
≥ 1200	58.4				89.7		-				91.6					
≥ 1000	53.7												97.3			
≥ 900	58.7			89.0						,,	92.9				1	92.9
≥ 800	7										93.6					93.6
≥ 700	68.7	1	88.4	89.4	90.3	91.9	92.9			1	93.6	93.6	93.6	93.6		93.6
≥ 400	65.7				91.D						94.8		94.8	74.8	94.8	60.8
≥ 500	63.7		1	1			94.5				95.5			95.5		
≥ 400	56.7	66.5	89.0			43.9	94.8				96.8		96.2	97.1	97.1	97.1
≥ 300	58.7	86.5				94.2	93.2	95.5		96.8	97.7		,	78.4	,	}
≥ 200	36.7	86.5	89.0			94.2	95.2	95.5		96.8	98.1	98.1		79,4	99.7	
≥ 100	68.7				1	94.2		95.5			98.1	78.1			100.0	
≥ 0	68-7	86.5	89.0	90.01	91.0	94.2	94.2	95.4	94.8	96.4	98.1	94.1	94.7	90.2	nn.n	Inn_r

THE STEAD IL

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 31%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING	0.3.7	51.4	52.9	5.7.9	5 7 . 6	53.0	53.5	53.0	53.4	53.9	53.9	53.9	53.0	53.0	54.5	53.5
≥ 20000	47.4		56.8		57.7	57.7		57.1			58.7	58.7		58.7	58.7	
≥ 18000	47.4	55.00	56.0	57.1	[57.7	57.7	5.7.7	57.7	5.8.7	50.7	58.7	55.7	58.7	58.7	53.7
≥ 16000	1: 7 . 4		56.P	57.1		57.7		57.7	57.7		58.7		55.7		58.7	59.7
≥ 14000	• 1i		57.4	57.7	, ,	58.4	50.4	55.4	58.4	59.4	59.4	59.4	23.0	59.4	59.4	57.4
≥ 12000		57.7	59.0	53.4	60.0	إنواد	60.0	50 . 0	63.5	61.0	61.0		£1.5	61.0	61.5	
≥ 10000	3 • 2		64.2	64.3		45 . 5	65.5	45.5	65.0	66.5	66.5	66.5	65 . 5		66.5	66.5
≥ 9000	3.6		50.5	65.2		65.8	65.8	55.8	65.8	66.8		66.9	teas		66.8	06.0
≥ 2000	5.5 • \$	1	64.7	69.4	70.0	79.6		70.0		71.0	1	71.0			71.0	- (
≥ 7000	57.4		7 . 3	71.7		71.5	71.6	71.6	71.4	72.6	72.6				72.5	
≥ 6000	55 • 1	- 1	71.3	71.7		72.5		72.6	72.6	73.6	73.6	73.6		73.6		
≥ 5000	• 7	71.3	73.2			74.5	74.5							75.3		75.5
≥ 4500		72.9				75.1	76.1	76.1	76.1			77.1	77.1	77.1		77.1
≥ 4000	1.5	75.5	73.1	73.7	79.4	79.4	79.4	77.4	77.4	8 . 3		83.3		80.7		1000
≥ 3500	62.3	77.1	1		1	11.0	81.1	71.5	*1.0	- 1	81.7	91.9	87.3	82 . 7		12.3
≥ 3000	43.2			15		<u>*3•2</u>	33.6	े र . 6	33.6	94.5		84.5	24.8	84.8	84.8	94.5
≥ 2500	- T∎é	1	81.9		1	23.9		94.2	24.2	85.2		85.2				85.5
≥ 2000	23.5	8C • C				76.1	86.5		36.5		87.4					4
≥ 1800	6.3.0		3.7.0			26.5			1		87.7			88.1		
≥ 1500	63.9	8'7	84.5			F7.7		28.1	58.1		89.0		80.4	29.4		+
≥ 1200	j .4•3	31.	84.8	7	1 1	48.4	89.7				!	3°.7		90.0		
≥ 1000	14.2	41.3	85.5			89.0		30.0	_							
≥ 900	.4.7	91.3	85.5	- 1	1 1	89.		- 1			;		,	, ,	91.5	
≥ 900	4.7	71.3				59.4			97.3		91.6					91.9
≥ 700 > 400	(4.2				50.7	59.7					91.9	91.9				
<u> </u>	1.4.7	31.7	86.5		93.7	71.3	97.3	02.3						93.9		
≥ 500 > 400	.4 . ?	81.9		- 1		71.9					34.2	94.2	-	94.5		34.5
<u> </u>	44.2	22.3	97.1	90.0		92.3		03.2						95.2	95.2	95.02
≥ 300	1.4 . 2	52.3	87.4			°2.9		93.9					,	96.1		
≥ 200	1 4 • 2	72.3	87.4			02.9					95.8			96.5		
≥ 100	74 • 2	32.3	87.4		1	?3.2		74 . Z				_				1 - 1
2 0	1 4 • ?	62.3	87.4	90.7	91.9	93.Z	94.2	C4.2	94.5	76.5	96.5	96.5	97.1	97.1	97.7	100.0

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

411

CEILING			-				VIS	BILITY (ST	ATUTE MIL	ES)				•		
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥ 11/2	≥ 114	≥ 1	≥ %	≥ 4,	≥ %	≥ 5/16	≥	≥ 0
NO CEILING ≥ 20000	1.4	47.3		6 - 0		"() . 4 (5 . 4	50.7 55.9	53.7 56.5	57.7		56.1	5 .5	5.0		55.0 56.1	
≥ 18000 ≥ 16000	-1.5		54.2	15.1	55.5	15.7	55.1		5/ 1	50.2	56.2	56.2	56.2	56.2	54.3	50
≥ 14000 ≥ 12000	*1.	17.1	54.5	55.4	55.P	7.5	56.3			50.65	56.5	56.5	56.5		56.5	5
≥ 10000 ≥ 9000	→ 5. ~	58.3	5 • 9	€1.9	52.4	. 2 . 7	63.4	7.1	12.1	03.3	58.1	63.3	63.1	43.3	67.3	63.
≥ \$000	7.6	58 • 9 54 • 6	66.9	62.0	58.6	48.9	69.3		67.4				09.6	69.4	63.9	69.6
≥ 7000 ≥ 6000	1, 1	:6.5	67.5	69.5 70.8	71.5	1	77.5	72.3			72.5	72.5			72.6	- 71 -7
≥ 5000 ≥ 4500	3.7	69.4		72.7		73.8 75.1	74.3		75.7		75.8	74.6	74.6	74.6		74 • 7
≥ 4000 ≥ 3500	5.4	71.5		76.3		77.6 FU.2	78.2	7:02	30.7			71.4	72.5	1 78.5 31.2	78.6	73.6
≥ 3000 ≥ 2500	35.09 [4.5	76.5		82.0		33.6	84.3		84.6	84.6	84.6	34.6	54.7	86 . 3	3.43	74.9 96.8
≥ 2000			82.7	54.6		26.6	87.3	27.4	97.4	77.7			£7.8	£7.8	. . 7 . 9	. ९७ <u>० १</u> ६८ - १
≥ 1800 ≥ 1500	2 4	77.4	93.8	85.8	87.5	:	89.5	1	3 1 . 1	89.5	10.5	£9.5	87.6	59.6	80.6	F7.5
≥ 1200 ≥ 1000	35.7	80.7	35.3	87.5	g 3 . 5	53.2	91.2	41.4	91.6	91.	91.9	01.0	65.0	• • •	9 <u>2 • 1</u>	2.01
≥ 900 ≥ 800	7	91.1		68.4	9:105	11.5	\$2.5	92.7	27.7	93.2	93.2	93.2	77.2	93.3	93.4	23.4
≥ 700 ≥ 600	50.9 59.9	81.3		89.7		*1.7 *2.7		°3.2	94.1		93.7 94.6	_	94.7		97.0	₹ 1.9 04.1
≥ 500 ≥ 400	-6.0 6.04			89.4	92.3	73.4 73.8	94.6				95.7			95.9		95.1 95.3
≥ 300 ≥ 200	0.0 1.0 v	P1.7	7 . 7 . 1	89.6	92.5	94.5 94.5	95.2	. ,	95.9 95.1	96.9	97.1 97.5	97.1			97.7	
≥ 100 ≥ 0	(E.)	1.7	87.0	89.6		94.1	95.3	26.€	06.1	97.2	97.7	67.7	98.4	98.6	99.0	99.5

OTAL NUMBER OF OBSERVATIONS _____

DIRNAVOCEANMET SMOS

H

IH

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							YIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ 46	≥ %	≥ 5/16	≥ '₄	≥ 0
NO CEILING ≥ 20000	1.7	5.6 60.3		54.3	- 1	(9.3	65.7	56.3 (5.3	50.7 .65.7			60.3 66.3	65.3	1	59.2 56.3	63 5.23
≥ 18000 ≥ 16000	1.7		63.7 63.7	64.7		+5.7	65.7	65.7	55.0	65.7	05.7 55.7	56.7 65.7	66.7	55 . 7 55 . 7	66.7	66.7 66.7
≥ 14000 ≥ 12000	1.7 2.7	60.7 62.3	!	64.7	65.3	55.7 67.3	65.7	65.7	56.0 57.7	56.7	65.7		56.7	65.7	66.7	56.7
≥ 10000 ≥ 9000	17.3 27.7	58.7	1 1 1 1	73.3 73.3	77.7	74.5		74 - 3 74 - 7	74.7	75 - 3			71.3		75.3 75.7	75.7
≥ 8000 ≥ 7000	2.	73.0		i	79.7 81.3	79.0	79.0 81.7	74.3 *2.0	70.7 92.3	80.3 63.3		30.3 33.3			88.3 83.0	53.5 23.5
≥ 6000 ≥ 5000	2.5	75. 75.3	70.7 82.3	81 • 3 84 • 5	61.7 65.3	52.0 25.7	32.U 85.7		\$2.7 36.7	83.3 87.5	1			1	33.3 87.0	73•3 2• 7°
≥ 4500 ≥ 4000	6	∂:7 d23			85.7		87.0 89.7				78.3		61.7	6.3	91.3	61.3 <u>(1.</u> 2)
≥ 3500 ≥ 3000	57	93.3		25.3 50.0	- 1	30.3 €2.3					91.7			91.7	91.7 <u>73.</u> 7	· 01.7 . 32.Z
≥ 2500 ≥ 2000	57.7	35.7				2 • 3 2 • 3	1		97.7		93.7 99.0	93.7		93.7 <u>95.</u> 0	93.7 05.0	93.7
≥ 1800 ≥ 1500	50 • 3 65 • 7	25.7 26.7	: 1	92.7		3.7.		54 • 0 25 • 3			75.0 76.7			Ģ ६. ₹	იი. 1 <u>95</u> .3	65.
≥ 1200 ≥ 1000	. 7	87.	91.5 91.0	93.0 33.0	94.7 95.0	55.3 95.7	-		96.3 95.7		97.5			97.3 77.3	97.3 97.3	. 97•0 _47•5
≥ 900 ≥ 800	. 7	?7.0	1 1	93.0 63.0	95.0 95.0	95.7 95.7	95.5 96.6				97.3		•	97.1	97.3	97.3
≥ 700 ≥ 600	. ? ?	97.0	1	93.3 93.3	95.7	96 • 3 96 • 3	96.7		97.3		98.6	98.0 98.0		29.5	98.	3 Q .
≥ 500 ≥ 400	50.7	37∙	91.7	93.3 93.7		96.7 27.0	97.0	97.7	78.5	96.7	98.7		76.7		98.7	78.7 96.7
≥ 300 ≥ 200	h 5 • 7	97.	91.7	93.7	96.3		97.3 97.3	97.7	98.	98.7	48.7	98.7	99.0		29.3	99.3
≥ 100 ≥ 0	3 . 7	27.0		93.7	96.3		97.3 97.3	97.7 97.7	- 1	78.7	99.0			99.3		

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

14/55 GLETTER, IL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C 3

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ ¾	≥ 46	≥ %	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	45.47	55.	54.	55.7	56.2	7.3		57.7	57.7	50.3	1			1		
≥ 20000	15 2	56. n	57.3			60.7	61.3	61.3		52.0		62.3				
≥ 18000 ≥ 16000	48.00 48.00	56.0 56.0	57.3 57.3	59.0 59.0	59.7	60.7	61.3 51.3	41.3	61.3	62.0 62.0				1		1
≥ 14000	42.0	56.3	57.7	59.3	60.0	61.0	61.7	51.7	61.7	62.3	62.7	62.7	67.7	52.7	62.7	62.7
≥ 12000	42.0	57.7	59.3	61.0	61.7	62.7	63.3	£3.3	63.3	64.	64.3	64.3	64.3	64 . 3	64.3	64.3
≥ 10000	42.7	53.3	65.0	66.7	67.3	48.3	69.0	59.0	69.0	70.3	70.7	75.7	70.7	73.7	79.7	72.7
≥ 9000	3.3	64.0	65.7	67.3	63.0	67.0	69.7	69.7	69.7	71.5	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	5.7	64.5	72.0	73.7	74.7	75.7	76.3	76.3	76.3	77.7	78.3	78.0	79.0	78.U	78.3	72.0
≥ 7000	57.47	69.7	72.3	74.3	75.3	76.3	77.0	77.0	77.0	73.3	73.7	78.7	72.7	78.7	78.7	78.7
> 6000	50.0	71.3	74.3	75.3	77.3	78.3	79.0	79.0	79.7	A0.3	90.7	80.7	80.7	F0.7	80.7	90.7
≥ 5000	oC•8	74.5	77.3	79.3	80.3	31.3	82.0	82.0	65.0	83.3	93.7	e '. 7	7 3.7	83.7	83.7	23.7
> 4500	.0.7	74.7	78.0	80.0	81.0	82.0	82.7	82.7	82.7	84.	94.3	80.5	34.3	F4.3	84.3	94.3
≥ 4000	1.D	75.7	70.0	31.3	82.3	:3.3	94.0	94.0	84.7	85.3	35.7	25.7	85.7	85.7	85.7	25.7
≥ 3500	2.	78.0	51.7	34.0	85 . D	*6.0	86.7	66.7	85.7	88.3	99.3	88.3	F9.3	38.3	88.3	98.7
≥ 3000	1 3 a 5	AD . 0	84.0	P6.3	37.7	89.0	98.0	าจ.อ	3.000	91.3	01.7	91.7	31.7	91.7	91.7	91.7
≥ 2500	? • 3	20.7	85.0	P7.3	88.7	<u>^0.0</u>	d. iu	71.0	01.0	92.3	72.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	13.7	31.0	85.7	88.3	99.7	71.0	92.0	92.0	92.7	93.7	94.3	94.0	94.0	94.	94.7	94.0
≥ 1800	.5.7	31.0	95.7	88.3	87.7	71.0	92.0	45.0	65.0	93.7	ĠĦ°Ū.	94.0	30.0	94.0	94.3	94.0
≥ 1500	.4 .	₹2.7	81.7	89.7	91.0	72.3	93.3	97.3	93.3	95.0	95.3	95.3	45.3	25.3	95.3	35.3
≥ 1200	1. 24 . 3	₹₹•3	87.3	97.7	92.0	°3.3	94.3		94.3	96.0	96.3	96.3	06.3		95.3	00.3
≥ 1000	* 44 3	32.3	87.3	91.0		<3.7			94.7		96.7				76.7	?6 . 7
≥ 900	4.3	52.3	87.3	91.0		94 . C	95.0					97.0			97.7	77 €
≥ 800	- 4 - 3	42.3	87.3	91.6		<u> </u>	95.0	95.0	95.0	96.7	97.1	97.3	97.0	97.0	\$7.0	27.5
≥ 700	F.4 . 3	82.3	97.3						95.0				97.0			
≥ 600	. 4 . 3	42.7	87.7	91.3		94.3	95.3	95.3	95.3					97.3		
≥ 500	24.3	6.5	98.0	91.7		04.7	75.7	25.7	95.7		97.7		ľ		97.7	
≥ 400	64.3	93.7	83.0			95.0		76.3	96.3		93.3			<u> </u>		98.3
≥ 300	54.3	83.7	86.3	91.7		95.0		36.7	96.7	98.7	99.0		, -		30.0	
≥ 200	:4 - 3	33.0	89.0			95.0		26.7	95.7				99.3		99.3	
≥ 100	4 4 B	93.	88.0			95.0		06.7			99.3				99.3	
(≥ 0	-4.₹	3.2	85.0	91.7	93.3	95 o C	96.3	°6.7	96.7	98.7	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION STATION BARE

DEDCENTAGE EDECLIENCY OF OCCUPRENT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)			•			
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 114	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	37 • 7	47.3 51.3	50.7 55.1	57.3	53.7	14.3	55.0 60.0	°5.3	55.3	56.0		56.3 61.3	56.3		<u>-</u>	
≥ 18000	77.7	51.7	55.3	57.7	50.	59.7	60.3	60.7	67.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000 ≥ 14000	95.5	52.0	55.7	57.7	59.3	59.7 40.0	60.7	61.5	61.0	61.7	61.7 62.0	61.7 62.0		61.7 52.0	62.0	
≥ 12000	100 T	3.3	57.0	59.3	60.7	(1.3	62.	62.3	62.3	63.3		63.3	63.3	63.3		1:3.3
≥ 10000 ≥ 9000	42.7	55.7 55.0	60.0 60.3	52 • 3 62 • 7	63.7	65.7	66.3	66.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000 ≥ 7000	47.7	63.1	67.0	69.7 72.0	72.0	73.7	74.7	75 • 0 77 • 3	75.0	75.7 78.0	76.9 79.7	76.7	76.5 78.7	76 • C	76.5 78.7	
≥ 6000	•	(5.	71.7	74 • D	76 . 3	78.0	79.7	79.3	79.3	90.0	80.7		50.7	80.7	 .	73.7 PC.7
≥ 5000 ≥ 4500	1 . 7	67.0	71.2	74.3	75.7	78.3	79.3	79.7	79.7 81.7	82.7	81.0	81.0 83.3		93.3	81.0	51.0 53.3
≥ 4000	3.5	69.7	75.0	73.0	80.7	22.3	83.7	84.0	84.0	85.0	95.7	85.7	e5.7	85.7	85.7	F5.7
≥ 3500 ≥ 3000	3 - 3	60.7 70.3	75.7	74.7 80.3	81.3	93.L	85.0	6.3	84.7	86 • 0	86.7 88.7	86.7	88.7	86.7	85.7	25.7 28.7
≥ 2500 ≥ 2000	9 • C	71.3	77.7	81 • 3 3 3 • C	94.3	6.0 27.7	87.3	97.7	87.7 69.3	89.3	91.7	93.0	93.0 91.7	\$3.3 91.7	90.0	90.0
≥ 1800	5.	72.7		93.5	96 • C	.7.7	39.0	*9.3	80.3	91.0	91.7	91.7	91.7	91.7		c1.7
≥ 1500 ≥ 1200	5.7	73.7	8 - 7	84.3	86.7	89.3	89.7 90.7	91.7	90.0 91.0	91.7	92.3	93.3	92.3	92.3	93.3	92.3 93.3
≥ 1000	5.7	74.	A1.	24.7	80.7	31.5	92.3		42.7	94.3						
≥ 900 ≥ 900	5.7	74 a (1		95.7	83.7	91.1 92.1	97.3 93.3	92.7	92.7				95.0 96.0	95.0		1
≥ 700 ≥ 400	5.7	74.3		80.0 -6.0	95.0 95.3	72.3	95.7		94.3	95.7	1	96.3	_	96.7	96.7	1
≥ 500	5, 4	74.3	B . M	36.C	97.3	2.7	94.3	95.0	95.D	97.0	97.7	98.3	98.3	98.3	98.3	98.3
≥ 400 ≥ 300		74.3	:	26.D	97.3	32.7	94.7	25.C	95.3		97.7			98.7		
≥ 306		74.5		Pha	90.7	2.7	74.7	\$5.3	95.3	97.7	98.3	46.7	99.0	99.0	99.0	
≥ 100 ≥ 0	5 • 7 5 • 7	74.3	62. 82.0	36 + 0	90.3 90.3	92.7 92.7		1	95.3 95.3	97.7		99.0		99.3		100.0

TOTAL NUMBER OF OBSERVATIONS

30

DIRNAVUCEANMET SMUS

CEILING VERSUS VISIBILITY

STATION STATION NAME STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IL S T I

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 11/4	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	71.7	45.3 53.	57.0	50.7	50.3	70.3	50.3	(0.3 (9.3	52.3	50.3		50.3 59.3	50.3	50.3 59.3		50.5
≥ 18000 ≥ 16000	41.7	53.1	57.0	58.7 58.7	59.3	59.3	_=_+	59.3	59.3	59.3		57.3	50.3			
≥ 14000 ≥ 12000	7.3	3.7	57.7	59.3	67.0	50.0	60.0	60.0	60.0	60.0	67.7	h0.0	67.9	60.3	60.0	7.63
≥ 10000 ≥ 9000	45.7	79.0	60.7	69.0	65.7	65.0	67.7	50.7 55.0	65.0	65.5		65.7 65.0	67.7	65.0	€5.0	55.5
≥ 8000	44.07	54.7	70.3	12.0		73.0	73.2	73.0	72.0	73.0		73.0	73.0	73.0		73.0
≥ 7000 ≥ 6000	3	56.7	71.7	73.3	75.0		74.7	75.3	74.7	74.7		74.7	75.3	74.7	75.3	
≥ 5000 ≥ 4500	1.3	58.3	74.5	75.7	75.7	76.7	75.7	77.7	77.7	77.0	77.7	77.7	77.7	77.7	77.0	77.7
≥ 4000 ≥ 3500	7.5	71.3	77.7	76.7	80.3	78.3	78.3	78.7	78.7 21.3	81.3		31.3	61.3	78.7	81.3	21.7
≥ 3000 ≥ 2500	55 • 3 56 • 3	74.0	, •)	83.0	- 1	7.5.7	83.3	36.0	26.0	83.3		85.3	86.7	36.€	86.7	
≥ 2000 ≥ 1800	18 • 7	76.7	1 1	86.7	87.3	£9.7	89.7	46.0	20.0	99.0	90.0	30.J	97.0	70.0	(
≥ 1500 ≥ 1200	59.7	79.0	85.7	99.3	91.7	93.	93.0	-	93.7	93.7	93.7	73.7	93.7		92.7	
≥ 1000 ≥ 900	59.7	79.3	86.7	90.0		04.3 04.7	94.7	35.7	95.7	95.7	95.7	95.7	95.7	95.7	95.3 95.7	05.3 05.7
≥ 800 ≥ 700	9.7	79.7	86.7	90.3	93.7	95.7	95.7	97.0	96.3	96.3		96.3	96.3		96.3	97."
≥ 400	99.7	79.7	87.0	90.3	93.7	95.7 26.0	96.0	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	98.3
≥ 400	50.7	79.7		90.3	94.3	76.3	97.0	28.7	98.7	99.0		99.3	99.3	99.3	99.3	79.7
≥ 200	2.7	79.7	87.7	90.3	94.3	76.5	97.0	98.7	99.7	99.0	99.3	99.3	99.7	99.7		99.7
≥ 100 ≥ 0	7	79.7	1 1	90.3		76.3	97.0	98.7	98.7	99.1			99.7		130.0	

TOTAL NUMBER OF DESERVATIONS

300

DIRNAVOCEANMET SMOS

18

CEILING VERSUS VISIBILITY

LL .IE . IL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VI	SIBILITY (ST	ATUTE MIL	.ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥1%	21	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING	10.7	44.8	41.5	47.5	46.2	"F . 7	42.2	4 . 2	44.2	45.2	44.5	4 2 . 2	42.7			
≥ 20000	46.	51.5	54.2	55.5		:5.9	55.9		55.9		55.0	55.9			55.9	55.9
≥ 18000 ≥ 16000	47.0	52.2	54.5			56.2	56.2	56.2	56.7	76.2	56.2	56.2				,
<u> </u>	• 7 • .	2.2	-1.5	55.9		56.2	56.2	55.2	56.7	2003	56.2	56.2	50.2	56.2	56.2	55.2
≥ 14000 ≥ 12000	4 7 6 3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	55.7	57.9	58.9	56.9	56.7	56.9	56.0		56.9	56.9	54.9	56.9	58.2	46.5
	10.2	57.5	56.5	61.5	51.9	61.9	51.0			61.9	61.9					
≥ 10000 ≥ 9000	0.0		67.2	62.5	62.0	42.9	62.0	62.9	62.9		62.9	62.9		1	62.9	
≥ 8000	4.7	63.7	66.9		60.2	69.2	69.6		69.6		69.6		57.6		-	
≥ 7000	7,4,00	54.7	69.2	69.0		70.5	70.3	70.9	70.0	70.7	73.7	70.9	75.9	70.9	70.9	70.9
≥ 6000	35.7	66.7	69.5	71.2	71.9	71.9	72.2	72.2	72.2	7242	72.2	72.2	72.2	72.2	77.2	72.2
≥ 5000	57.2	68.6	71.7	73.6	74.3	74.3	74.6	74.6	74.6	74.	74.6	74.6	74.6	74 . 8	74.6	74.6
≥ 4500	57.	67.2	72.6		74.9	74.9	75.3	75.3			7* • 3		75.3	75.3	75.3	75.3
≥ 4000		73.2	79.3	74.9		16.9	81.3	1.3	11.3	61.5	P1.3	31.3	51.3	81.3		1 - 1 - 1
≥ 3500 > 3000	11.	76.9					95.3	45 • 3		A5.3						45.3
≥ 3000	<u> 43.</u>	79.9		7.3		.78.6	89.	ROOT	89.7		89.0					1000
≥ 2500 ≥ 2000	4 . 5	n 11 a 4	87.3	49.G	7.71	0.0 • 3	90.6	1		,	90.6		57.6	90.6		
	5.	33.6	97.3	72.3		94 . C						94.7	74.7	94.7	94.7	. <u>94.27</u>
≥ 1800 ≥ 1500	6.7	24	92.5	72 + 6 94 + 0	1	75.7	94.7 96.D				95.0 96.3	95.0 76.3	95.3	75.0		.95.3 .90.3
	6.6		9.	96.0			96.0						36.3	96.3	the same of the same of the	200
≥ 1200 ≥ 1000	37.3	86.	97.6	95.0	96.3	6.7	97.0			97.3	57.3		97.3	97.3	97.3	97.
≥ 900	6/03	56.	22.5	25.0	96 . 3	96.7	97.0				97.3		6 * 3	97.3		27.3
≥ 600	57.2	16.3	93.	95.7	27.	27.3	97.7	1	99.2				98.7	96.0	98.0	98.0
≥ 700	57.5	56.3	93.3	66.0	97.3	97.7	98.7	78.3	98.7	98.3	98.3	98.3	95.3	78.5	98.3	D 0 7
≥ 600	67.2	86.6	93.7	96.3	95.0	98.3	98.7	96	59.5	99.0	99.0	49.G	50 F	99.0	99.7	2201
≥ 500	67.2	60.6	93.7		99.3	98.7	99.0	1			99.7		I .	1		_
≥ 400	57.2	36.6	9 1. 7		98.3	<8.7	99.0				99.7					79.7
≥ 300	67.2		93.7		98.3	78.7	-	100.0								100.5
≥ 200	67.2	86.6	93.7		48.2	98.7		100.0								
≥ 100 ≥ 0	6 . 2		93.7	96.3	98 - 3	98.7		173.0								
°	67.2	36.6	93.7	96.5	98.3	98.7	77.	10.0	3 J I J 6 T	r ci (i • C	1110.0	را مين با	11 (1) (1) (1)	<u> </u>	U - U - U	تولايا

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

SHAR MOTATS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	HBILITY (ST	ATUTE MIL	.45)						
(FEET)	≥ 10	≥ •	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 3	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING	2.04	4 5 9		47.3	42.7	47.7	47.7	' '		47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	• •	3.	54.3		55.3	-5.3				55.3	55.3	55.3			55.3	55.7
≥ 16000 ≥ 16000	्य्र ः र - ५ • १	- 3 • 3 - 5 3 • 3	54.3	55.6 55.3	55.7	"5.3 "5.7	55.7		55.7	55.7	5.3	55.7		55.7		55.7
≥ 14000 ≥ 12000	47	F4 - 1	55.2	56.7	56.7	56.3	56.3	56.3	51.3	50.3	56.3	56.3	16.1	57.0	56.5	57.
	1.0	7			62.7		52.7		62.7		62.7	62.7	52.7		62.7	
≥ 10000 ≥ 1000	1.7	n. t				.5.3	63.3	! · i	53.4	1	63,3	63.3	63.3	63.3		63.
≥ 9000	2.5	3.8.7			66.3		68.7	1 1		68.7		65.7	59.7	68.7	59.7	68.7
≥ 7000	()	4.	55.7	64.7	69.5	19.7		69.7	67.7	69.7			67.7	69.7	69.7	<u> </u>
≥ 4000 ≥ 5000	7 • 1 4 • 3	57.	64.7	71.7		73.1	70.7	' i	77.7		70.7	70.7	. 7', • 7 . 77 . 3	70.7	70.7	73.7
≥ 4500	+		71.7				75.7			75.7		75.7	7: 7	75.7	74.7	75.7
≥ 4000	3.4	74 . 3	75.7	79.r	87.3	~ 5 . 7	67.7	67.7	40.7	\$1.7	8 . 7	89.7	A" .7	40.7	87.7	34.7
≥ 3500		74.7			,	£5.3		;	85.3		85.3		25.3	5 . 3	85.3	35.
≥ 3000	4.7	82.7		* 8 . D	30.3			3 . 3		9:3			90.1	97.2	97.	. <u> </u>
≥ 2500 ≥ 2000	6.7	85.3	37.0	89.3	90.7		92.0		94.1		92.3	94.3	44.7	96.7	92.7	04.7
≥ 1800	7	75.7		91.3		104 a C				94.7		74.7	45.0	C.	95	์ ชร์จัดไ
≥ 1500	57.	26.	80.7	92.3		5. 1				95.7			76.0	96.0	95.0	96.3
≥ 1200	57.3	76.3		०₹•त						96.7		26.7	37.0	97.3	97.7	97.
≥ 1000	27 - 3	36.3	9 . 3	93.7		^6.3		c7.3		·	97.3	97.3	97.7	97.7	97.7	97.7
≥ 900 ≥ 800	67.3	37 . D	}	94.3	96.0	97.3		98.3	-	98.3	1	98.0	7.56 1.60	98.3	98.3	90.3
	57.3	77.3				08.0				99.0			52.3		99.1	60
≥ 700 ≥ 400	67.7	67.3	91.3		1	78.5		99.0			- 1	-			99.3	23.3
≥ 500	67.3	27.7		95.3		98.3	98.7			99.3	99.3	99.3		99.7		
≥ 400	07.3	87.7				98.5		59.7		99.7	99.7	99.7	50.0	1000	100.0	100.0
≥ 300 ≥ 200	1.7. 1		- 1		97.	38.3	_		- 1		- 1				0.03	F
<u> </u>	67.3	67.7				98.3										
≥ 100 ≥ 0	67.3	• 7 • 7 • 7 • 7	91.7	75.3 95.3	97.7	98.3			-	i - I	- 1			Г	100.0	

TOTAL MUMBER OF ORSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

CEILING			-,-		···	· · · · · · · ·	VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000	1.3	51.7 51.7	52.7	3.0 63.0	51.3	3.3	53.3		57.7		- 1	53.3			53.3	
≥ 18000 ≥ 16000	1.7	61.7	62.7	63.0	63.3	43.3	63.7		43.7 63.7	63.7	63.7 63.7	63.7	63.7			£3.7
≥ 14000 ≥ 12000	2.7	62.0 62.7		43.3 64.0	63.7	63.7	64.7	64.0 64.7	£4.5	64.5	64.7	64.7		64.7	64.0	
≥ 10000 ≥ 9000	5.3	57.7 67.7					77.0			70.0 70.0	76.0	70.0 79.0			73.3	71.
≥ 8000 ≥ 7000	57.7 57.7	71.7 73.5		73.7 75.7						75.3	75.3	75.3	75.3 77.3	75.3	75.3	75.3
≥ 4000 ≥ 5000		74.7			78.7	78.7 91.3	79.0 81.7			79.0			79.0 81.7		79.0 81.7	79.0 81.7
≥ 4500 ≥ 4000	2.7				82.3		82.7			82.7		A2.7			82.7	86.3
≥ 3500 ≥ 3000	6.00 6.03	,		1	38 • 3 92 • 0		88.7 92.7	88.7	38.7	98.7	88.7		89.7			88.7
≥ 2500 ≥ 2000	57.3	87.3 88.3	93.0 93.0	90.7	93.G						95.7	-	96.0	94.0		94.2
≥ 1800 ≥ 1500	52.7	58.7		92.8	94.3			96.C		76.0 96.3	96.3	96.0		96.3	96.3	36.7
≥ 1200 ≥ 1000	63.7 55.7		90.7 90.7			55.7 75.7		07.0 97.3	-	97.U		97.3	-	97.3 97.7	97.7	97.3
≥ 900 ≥ 800	50.7 51.7	1		92.7		75.7 5.7	97.0 97.0		-	97.3 97.3	!		57.7 97.7		97.7	97.7
≥ 700 ≥ 400	55.7 55.7			93.3		96.3 96.3		98.0		96.0	-		98.3	90.3 98.3	98.7	
≥ 500 ≥ 400	34.7 56.7	1		93.3		76.3 c6.3	98.0 98.0			98.3			52.7 99.3	78.7	98.7	99.7
≥ 300 ≥ 200	68.7 56.7			93.3		96.3	98.0	99.7	98.7	99.7	99.7	99.7	00.0	00.0	100.0	0.03
≥ 100 ≥ 0	66.7 67.7	A9.3	91.3		95.7	56.3	98.0	38.7		99.7						

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

1

Stristen, It.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

												<u>. </u>				
CEILING							VIS	IBILITY (ST	ATUTE MIL	E\$)						
(FEET)	≥ 10	≥ 6	≥ 5	≥4	≥ 3	≥ 2%	≥ 2	≥ 114	214	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.3	55.0	56.7	47.0 63.7	58.0	15.7	58.0	58.7 (5.7	1	58.7		58.7	53.7		58.7	
≥ 18000 ≥ 16000	2.3	61.3		53.7	64.7	65.	65.0	55.7	65.7	65.7		65.7	65.7	45.7	65.7	55.7
≥ 14000 ≥ 12000	2.3	51.3	62.7	63.7			65.C 66.3	65.7	45.7	65.7		65.7	65.7 67.0	65.7	65.7	
≥ 10000 ≥ 9000	50.3	67.7			71.3	71.7 72.0	71.7			72.3		72.3		72.3		72.3
≥ 8000 ≥ 7000	12.7			76.7	79.0	78 - 3	76.3		79.0		79.0	79.3	79.C	79.0	79.0	
≥ 4000 ≥ 5000	62.0	79.7	79.0	80.0	A1. 7	91.7	81.7		32.3 26.0	82.3	82.3	62.3	62.3	82.3	82.3	82.3
≥ 4500 ≥ 4000	- 4.7	87.0	52.7	87.3	36.3	96.7	36.7	87.3	A7.3	87.3	87.3	97.3		87.3	87.5	87.3
≥ 3500 ≥ 3000	, 5 . 3	33.3	85.7		90.3	70.7		91.3		91.3		91.3	91.3	91.3	91.3	93.5
≥ 2500 ≥ 2000	5.7	84.7 86.0	90.3		93.0	93.3	93.3	P4 . 0	94.7	94.3	94.3	94.3	94.3	94.7		94.3 96.1
≥ 1800 ≥ 1900	15 - 3		9' . 7	93.7	95.0		75.7		96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200 ≥ 1000	.5.7	56.7	91.0	94.0	95.3	96.0	96.0		96.7	97.0	97.0	97.0	97.0	97.D 97.C	97.0	97.0
≥ 900 ≥ 800	25.7	26.7 #7.0			95.3	96.0	96.7	96.7	96.7	97.5		97.7		97.0	97.0	97.1
≥ 700 ≥ 600	.5.7	£7.0	91.3		96.7	96.7	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500 ≥ 400	5.7	87.D	91.3	74.7 94.7	96 . 3	97.0	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3		98.3
≥ 300 ≥ 200	55.7 55.7		1 7 7 1		95.3	97.7	97.3	98.7	98.7	98.7	99.C	99.0	99.0		99.0	99.0
≥ 100 ≥ 0	65.7		91.7	95.0	96.7	97.3		98.7	98.7		100.0	100.0	100.0	00.0	100.0	100.0

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOVES IL ST .

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	2 %	≥ %	2 %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000	42.4	49.7	51. E 54.2	52.7	53.3	53.6	53.7	53.8 60.9	53.9 60.9		54.2	54.2	54.2	54.2	54.2	54.2 61.2
≥ 19000 ≥ 16000	47.3	56.2 56.2	1	55.7		60.7	60.9	61.0 61.0	61.T	61.3		61.4	61.4	61.4	61.4	
≥ 14000 ≥ 12000	47.0	56 . E		60.1		61.1	61.3	61.4	62.6	61.7	61.8		61.8	61.5	61.8	61.5
≥ 10000 ≥ 9000	1.4		65.4	66.2	66.9	67.3 67.9	67.5 68.1	67.7	67.7	68.1		68.2		68.7	68.7	60.2 56.7
≥ 8000 ≥ 7000	54.0	67.5		72.4	73.6	74 . 1	74.4	74.5	74.6	74.9	75.0	75.0	75.7	75.7		75.0
≥ 4000 ≥ 5000	5 s	7 .5	- 1	75.2	76.6	77.1	77.4	77.5	77.6	77.9	78.7	1	7°.0	78.0	75.0	78.0
≥ 4500 ≥ 4000	52.5 (5.3		75.9 79.6	78.9 61.7			81.1	°1.3	91.3		81.8	81.8	- 1	51.8 84.5	81.8	*1.E
≥ 3500 ≥ 3000	2.7	74.3	82.0 94.4	24.1			86.5	F6.7		87.2 93.2		97.3	77.3	67.3	87.3	37.3
≥ 2500 ≥ 2000	13.2	70.9 82.4		97.8		90.3	90.8	91.2	91.0		91.7	91.7	91.8	91.8	91.8	91.8
≥ 1800 ≥ 1500	-4.1 .4.4	82.7 83.4		89.9		92.6	93.1 94.1	94.5	93.5	94.0 95.1	94.1	94.1	94.2	94 . 2	94. ?	94.2
≥ 1200 ≥ 1000	54.7	83.8		91.4	93.3	94.3	94.8			95.5	-	:		96.5	:	36.0
≥ 900 ≥ 800	54.7	83.9 84.0	89.9	91.8		95.1 95.5	95.7	96.1 96.5	(96.7		96.8		96.6 57.3		
≥ 700 ≥ 600	04.7	84 • 2 84 • 2	1	92.5 92.5	94 . 7 94 . E	75.9 76.0	96.5 96.7	97.0 97.2	L L	97.5 97.8		97.7	-	97.6 98.0	97.8 98.2	
≥ 500 ≥ 400	54.7	84 • 3 64 • 3	89.5	92.6 92.7	95.2	36.3 96.4	97.0 97.3	97.7 98.5	97.7	98.7		98.5		99.6	1	98.6
≥ 300 ≥ 200	54.7	34.3 84.3	89.6 89.6	92.7 92.7	95.2 95.3	06 • 4 06 • 5	97.3 97.3	98.1	98.1	99.0		99.2	99.4	99.4	99.4	99.4
≥ 100 ≥ 0	14.7	84.3		92.7	95.3	1	97.3	98.2		99.1			99.7			

TOTAL NUMBER OF OBSERVATIONS

2395

out the IL

HW

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							ViS	IBILITY (ST	ATUTE MIL	.ES)						
(FERT)	≥ 10	≥.	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	214	≥ 1%	≥ 1	≥ %	≥ %	≥ 14	≥ 5/16	≥ 1.	≥ 0
NO CEILING	42.0	7.	61. 3	45.0	66.5	67.1	67.4	17.4	57.4	67.7	67.7	67.7	67.7	£7.7	67.7	67.7
≥ 20000		52.0			73.6	73.7	74.5	74.5	74.5	74.5	74.8	74.8	74 A	74 . 8	74.0	74 . 5
≥ 18000	• 5	62.7	67.7	7 7	73.9	74.2	74.6	74 . 5	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 16000			67.7			74.2				75.2				75.2	75.2	.75.2
≥ 14000	(• 7)	53.2	5 % 1		74.2	1				75.5				75.5	75.5	
≥ 12000	1.3			72.3						77.1				77.1	77.1	. 7 <u>7 - 1</u>
≥ 10000		67.1		l i	79.7		- 1			91.3		81.3	61.3	61.7	81.7	81.3
≥ 9000					79.7					91.3			P1.3	01.3	01.3	+ °1 • 3
≥ 8000	•	71.6			- 1		36.1	- ,	86.5			96.8	36.8		86.P	36.5
≥ 7000	5 . 2	72.6					67.1			87.7					87.7	<u> 57 • 7 </u>
≥ 4000	15.5		1	91.6		*6.5	- 1	7,7		1		88.1		48.1	65.1	# 5 . 1
≥ 3000	57.4				69.11		97.3		90.7		91.0		61.C	91.5	91.0	. ?l• <u>⊆</u>
≥ 4500	57.4	25 • 2		P4.5		- 1	91.7			71.3				91.3	1	71.3
≥ 4000	57.7			63.2		07.7	91.6			02.3				05.3		. 3 . 3
≥ 3500 ≥ 3000		73.3				91.0			-	•2.6				92.E		92.4
<u> </u>		77.1		87.7		₹2.6				94.5				. <u>?# • 5</u>	94.5	. 9 4 <u>. 5</u>
≥ 2500 ≥ 2000						93.2	1			95.2					95.2	•
• -	7, 2 6 44	70.1		23.4	93.6					95.8			. 27.5	95.5	. 95 - 8	• • • •
≥ 1800 ≥ 1900	5 P. 4	1	84.2		93.9	- :							4			95.0
- 	7.5 4			93.7		74.2				96.5			. <u>] 44</u> 2	96.5	• '	. 00
≥ 1200 ≥ 1000	4		1	1	-			1	_	36.5	_		95.8	94.5	76.5	96.7
	0 4	78.1				04.2				96.5			96.8	70.0	96.8	195.5
≥ 900 ≥ 900	58.4	78.1				34.2				96.8	_		_	96.8 96.8	96.9	96.8
	SE • 4	76.1		88.7				76.8		97.1					97.1	, <u>36</u> 97.1
≥ 700 ≥ 400	35.4		84.2	F8.7				- 1		97.1					27 1	97
	12.4	78.1		88.7		44.5		97.1		97.4		97.4		97.4	97.4	· - La A
≥ 500 ≥ 400	58.4	78.1								98.4						98.4
≥ 300	75.4	79.1					97.4			90.4		99.4				99.7
≥ 200	1	- 1			94 . 8		- 1	- 1	-	- 1	-	-	, -	,	1	Lop. 3
				20.0												00.0
≥ 100	- !															100.0

TOTAL NUMBER OF OBSERVATIONS

_31.

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (51	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ :	≥ %	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	74 g 7	54.1	56.7 59.7	59.6 62.5	61.8	· 2 · 5	63.8	63.3	63.P	53.8 65.6	63.A	68.6	63.8 63.6	53.8 68.5	63.6	63.4
≥ 18000 ≥ 16000	70 . 6	< 4 . 1 54 . 1	59.2 59.2	52.5 62.5	66.0	66 - 7	68.6	48.6 £8.6	69.6 68.6	58.6 58.6	68.6	68.6	68.6	68.6 68.6	68.6	68.6
≥ 14000 ≥ 12000	₹9 . ₹ ₹0 . 5		54.2 67.2	62.5	66.7 67.3	66.7 57.6	69.6 69.6	69.6 69.6	69.6	68.6	69.6	69.5 69.5	69.5	68 . f.	69.6	69.6
≥ 10000 ≥ 9000	2.1	-0. -1.2	65.7	69.9 70.6	73.8	74.4 75.1	76.4 77.0	76.4 77.0	76 a4 77 a2	75.4 77.0	76.4	76.4	76.4 77.0	76.4 77.0	76.4	75.5
≥ 8000 ≥ 7000	44.	66.7	72.5	76.1 76.7	70.6	3.6 81.2	82.5 83.2	13.2	62.5	82.5	82.5 53.5		53.5	52.5	82.5	8 Z • 5
≥ 4000 ≥ 5000	4 . 3			77.7	81.6 82.9		84.1 86.1	04.1	84.1 86.1	84.5	84.5	84.5	86.4	86.4	86.4	84.5
≥ 4500 ≥ 4000	46.3			83.3 83.3	84.1		67.4 27.4	47.4	97.4	87.7 87.7	87.7	87.7	87.7	87.7	87.7 87.7	27.7
≥ 3500 ≥ 3000	47.	71.2	77.7		85.9 83.0	-	89.0 91.6	39.0 01.6	-	39.3		89.3	27.3	39.3	91.9	61.9
≥ 2500 ≥ 2000	94.2		79.9 81.2		84.7	*D.0	92.6 95.2			92.9	92.9	92.9	92.9	92.9	92.0	92.9
≥ 1800 ≥ 1500	15.2		81.2	95.4 86.4	91.6	*1.9 *2.9	95.2	95.2 76.1	96.1		95.5	95.5		95.5	95.5	95.5
≥ 1200 ≥ 1000	43.2		82.5	57.1 97.1	92.2		96.8	96.3	96.8	97.1	97.1		97.4	97.4	97.1	¢7.1
≥ 900 ≥ 800	40.2	75.4 75.4	52.5	87.1 87.1	92.2	53.9 94.2	97.1			- 1				97.4	97.4	97.4
≥ 700 ≥ 400	49.2	75 . 4 75 . 4		57.4	92.9	94.E	97.7	97.7	97.7 98.1	,	98.1	98.1		98.4	98.1	98.1
≥ 500 ≥ 400	40.5		82.0	67.7 88.0	93.2	75.2 75.5	99.9	79.0 29.4		99.4	99.4	99.4	99.4		99.4	99.4
≥ 300 ≥ 300	49.2		82.9	18.0	93.5	75.5 95.5	99.4	99.4	99.4	99.7	99.7		99.7	99.7	,	
≥ 100 ≥ 0	_	75.4	87.9	A6.0	93.5	^5.E	99.4	99.4	99.4	99.7	99.7			99.7	99.7	99.7

AT MILAS IL STATION NAME

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/9	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	3.7		46.1	84.7	53.9 5°.1	56 - 1 40 - 3	56.1 60.7	* 7.1	57.1	57.4	57.4	57.4 61.9	57.4		57.4	
≥ 18000 ≥ 16000	3.5		49.7	53.9	1	60.7	61.	61.9	61.7	62.3	62.3	62.3	42.2	62.3	62.3	52.3
≥ 14000 ≥ 12000	34.2	46.1	50.0 51.6	54.2	59.7 60.3	62.9	61.3	42.3	64.3	62.6	6.7.6	62.5	67.6	52.6	62.6	\$ 2 . 6 64 . 5
≥ 10000 ≥ 9000	37.7	32.5	57.1 57.4	62.3	66.8	70.0 70.3	70.3	71.6 71.9	71.6 71.0	71.9	71.9	71.9	71.9	71.5	71.9	71.9
≥ 8000 ≥ 7000	4 . 7		61.9	67.4	72.6	76.5	76.5	78.8 78.7	75.4	79.0	79.0		79.0	79.4		79.5
≥ 6000 ≥ 5000	42.3	57.7	62.5	50.1 7:0		77.1		79.4	79.4	3.C • D	82.3	90.0	80.0 82.3	90.0	82.3	
≥ 4500 ≥ 4000	13.2		67.1	71.5	76.5	95.3 82.6	80.7 52.9	84.8	32.6	93.2	83.2		47.2	93.2	83.2	83.7
≥ 3500 ≥ 3000	43.5	'	67.4 66.4		79.0 30.3	32.9	84.8		85.2 87.1		85.8			65.8	85.8	85.F 87.7
≥ 2500 ≥ 2000	14.2	64.5	60.7 70.0	75.8	81.6	5.5	36.1			89. 90.3	90.3	90.3	85.0	39.0	90.3	90.2
≥ 1800 ≥ 1500	44.5	65.2	70.7	76.5 73.1	82.6 84.2	26 . € 08 . 4	87.4	90.3	90.3 92.3	91.0	51.7 97.5	91.D 92.9	91.0	92.5	92.0	91.5
≥ 1200 ≥ 1000	44.	66.1 56.5	71.5	79.4 79.4	84.5	48.7	89.7	77.9	94.5	93.5	93.6	93.4	93.6	93.6 95.5	95.5	63.5
≥ 900 ≥ 800	13 44 C	67.1	73.6	P1.3		\$1.5 \$1.9	92.3	95.5 96.1		96.1	96.1	97.1	96.5	96 . 5	96.5	97.1
≥ 700 ≥ 600	44.5	67.7	74.2	61.3	38.4 85.4	92.6	93.9	97.1	97.1	97.7		98.1	99.1	98.4	98.1 98.4	94.4
≥ 500 ≥ 400	44.3		74.2	91.3 91.3	88.4	92.6	93.9	97.4	97.4	98.7 98.7	99.0	99.4	99.4 29.4	29.4	99.7	99.7
≥ 300 ≥ 200	44.5	67.7	74.2 74.2	81.3	88.4 88.4	42.6	93.9	97.4	97.4	98.7	99.0	99.4		99.4	99.7	99.7
≥ 100 ≥ 0	1:4 44	67.7	74.7	81.3 81.3	88.4	92.6	93.9	97.8	97.4	98.7 98.7	99.7	99.4		-	100.0	<i>r</i> - ,

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) ≥4 | ≥3 22 | 214 | 214 ≥ 21/2 30.5 49.4 52.9 57.1 54.7 19.7 59.7 - 7.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 NO CEILING ≥ 20000 57.1 61.3 64.2 64.2 64.5 14.8 64.8 64.8 64.8 64.8 -3.2 57.1 61.3 54.2 64.2 64.5 (4.9 64.5 64.5 64.5 64.5 64.5 64.5 57-1 61-3 64-2 64-2 64-5 64-8 64-3 64-B ≥ 14000 ≥ 12000 17.41 53.6 57.4 61.6 64.5 14.5 64.8 15.2 65.2 65.2 65.2 65.2 65.2 65.2 59.4 63.6 66.5 56.5 57.1 57.4 67.4 67.4 67.4 67.4 67.4 72.3 77.3 72.3 72.3 77.3 73.7 73.7 73.9 73.9 73.9 73.9 73.7 73.9 144 | 654 | 654 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | 775 | ≥ 4500 ≥ 4000 ≥ 2500 ≥ 2000 1800 1500 4' - 5 76 - 1 81 - 3 1 - 2 1 92 - 9 93 - 9 54 - 6 76 - 8 96 - 3 97 - 1 97 - 4 97 - 4 97 - 4 97 - 4 97 - 4 97 - 4 97 - 4 97 - 4 97 - 7 9 76.5 \$1.9 58.7 93.9 95.2 96.1 99.0 99.0 99.4 99.7 99.7 99.7 99.7 99.7 76.3 81.5 88.7 93.9 95.2 96.1 99.0 99.2 59.4 99.7 99.7 59.7 99.7 99.7 76.8 81.9 88.7 94.2 95.3 26.5 29.4 99.4 99.7 00.0100.0100.0100.0100.0100.0 31.9 88.7 94.2 45.5 96.5 79.4 59.4 99.7 30.0100.0100.0100.0100.0100.0 95.5 96.5 99.4 99.4 99.7100.0100.0100.0100.0100.0100

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MII	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 14	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000	47.5	58.5		54.7	1		55.7		-	54.1	64.1		, -			
≥ 18000 ≥ 16000	-7.1		61.5		67.4	14.1	64.4	. 4 . 44	34.4	1,4,4	54.4	54.4	~4·4	64.6	64.4	£4.4
≥ 14000 ≥ 12000		7,4.7					54.7	64.7	64.7	54.7	65.	£4.7	 -			64.7
≥ 10000 ≥ 9000	11 to 3	52.0	6.7	65.9	64.8	£9.6	63.9	59.3	60.0	60.5	60.9 7 0	62.9	: 5.9		60.9	70.
≥ 8000 ≥ 7000	46.	55.1	5 . 9	71.8	72.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	·	74.1
≥ 6000 > 5000	45.5		7 . 1.	73.5	74.8	75.7		76 - 1	7 1	70.1	75.1	76.1	76.1	76.1	76.1	70.1
≥ 4500 > 4000	1.5	55.3	73.1	78.4 90.3	77.7	78.6	70.0	79.0	15.0	79.	70.1	34 - 11	7".0	79 . C		7 .
≥ 3500 ≥ 3000	2.4		77.7	31.6	83.2	4 - 1	34.9	4,2	24.0	54.5	84.F	84.3	94. P	54.8	E4.4	9
≥ 2500 ≥ 2000	7	78.7 80.3	87.7	-7.4	AG.E	53.9	91.7	72.2	~2.5	22	\$? • ? \$ * • 2	25.5		92.2	97.7	
≥ 1800 ≥ 1500		~5.3		90.5	37.6	:4.2	25.5	-5.5	, 5 . F	75.5	55.5 46.1	45.5	55.5	95.5	•	
≥ 1200 ≥ 1000	.5.7	31.6	87.1	91.6	24.2	75.9	01.5	77.1	17.1	97.1	97.4	07.4	C7.4	97.4	27.4	97.4
≥ 900 ≥ \$00	<u> </u>	1.7	87.4	91.9	95.8	7.1	98.4	^8.7	58.7	93.7	99.	30.1	03.5	99.	99.1	67.
≥ 700 ≥ 600	5.7	82.	37.7	92.6		37.7	80.0	:9.4	,9.4	29.4	99.7	99.7	99.7	29.7	99.7	GQ 7
≥ 500 ≥ 400	5 - 7	92.2	87.7	92.6	96.1	7.7	99.0	~4.7	39.7	99.7	100.0	160.0	10.E	1 30 • f	ר.םמיק ר.חם	150.5 150.5
≥ 300 ≥ 200	5.7	62.2		72.6	76 · 1	7.7	99.7	29.7	59.7	39.7	100.0	100.0	00.E	1 30.0	100.5	T
≥ 100 ≥ 0	. 1	92.2 82.7	87.7	92.6	96.1	7.7	99.	29.7	99.7	29.7	1 (n • 0	100.0	00.0	10.0	ח•רב ב	105.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		_	_			_	VIS	HBILITY (ST	ATUTE MIL	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/2	≥ 11,	≩ 1	≥ ೩	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	4, .7				56 • 1 57 • 1	5.2 • 1. 57 • 1	55.1	67.7	10.1)	i ' _ '	5. • 1. 67.7.	£7.7		54.1	· · · · ·
≥ 18000 ≥ 16000	47.7	53.2		67.1		67.7	68.1		6 - , ti	6 - 4 6 - 4	t; ; • 4 € ; •	50.4		te	A 6 . Li	
≥ 14000 ≥ 12000	• 1	5 3 . 7	55.4	67.1	67.7	67.7 58.7	69.	4 % . L	4 4 4	55.4 65.4	67.4	64.4	%°•4 (≎•4	5° 4	60.4 67.4	£
≥ 10000 ≥ 9000	•) • '	50.0	70.3	70.7	71.5	71.6 71.0	71.5	72 - 31 72 - 61	77.1	72.1	72.3	72.3	77.4	72.2	77.3	7.
≥ 8000 ≥ 7000	• 7	68.1 58.1	71.6 71.6	77.3		73.9	74.2	*4.5	74.5 74.2	74.5	74.5	74.5	75.5	74.5	74. 75.0	70.3
≥ 6000 ≥ 5000	17	68.4 69.4	77.2	74.2	75.7 76.5		76.1 77.4	76.5	76.5	76.5	76.5 77.7	75.5	77.7	76.5	74.5	74.7
≥ 4500 ≥ 4000		70 • 5 72 • 9	-		1 :	77.7	78.7	79.1	79.	70. 87.6	79.	79.3 :2.6	70.0	79.0	35.5 32.5	73.
≥ 3500 ≥ 3000			79.7 84.0				84.8 32.3	75.5°	65.7 7.7.7	25.5	35.5 91.	45.5	्रह•ूर १४•३	65.7 ().	25.5 21.	
≥ 2500 ≥ 2000	1 • 1	ក ា. ម ៩2•ក	. • .		1	52.0 94.5	97.6 95.0	73.9 55.8	93°4 48°5	54.2 95.1	74.2 96.1	'4.2 :5.1	24.2	94.3 95.1	94.2 74.1	39 Toei
≥ 1800 ≥ 1500	7	63.2 63.9	31.7			-4. 2	97.1	76 • 1 • 7 • 4	55.1 57.4	56.5 37.7	98.6 97.7	76.5 7.7.7.	34.5 27.7	94 97.1	96.5	97.7
≥ 1200 ≥ 1000	-	13.0			95 E		37.1 97.4	`7.4 57.7		95.4	95.4	93.4	93.4	95 • 1 98 • 4	98.1 98.4	51.01
≥ 900 ≥ 800		77.5 54.6				76.1	97.4	57.7 04.4		03.4	99.3	78.4	97.4	38.4 29.	73.4	90.4 4.90
≥ 700 ≥ 600	5.7	54.7	91.5 91.5		1 1	15.6 1€.6	98.1	દક ુષ દર્ ષ			99.0		• .	•	99.0	1). 9) <u>.</u> 1
≥ 500 ≥ 400	,,,7	34.2 64.2	97.0	41.6	96 • 1 96 • 1	`6.0 -6.0	93.4	98.7		99.7		100.5 100.7		100.0	110.5 150.3	150.6 130.2
≥ 300 ≥ 300	, ,	24 • 2 84 • 2	9 . 1	91.6 51.6	96.1	36.6 66.3	98.4		99.5	99.7	40.7	100.00	03.0	100 • 0		100.5
≥ 100 ≥ 0	· 5 • 7		90.5 90.5	91.6		6.1	92.4 99.4	05.7	99." 9 9. "	99.7	99.7	172.0 163.8			100.0	

TOTAL NUMBER OF OSSERVATIONS

31

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

STATION BANK

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	5.0	55.5 52.3		50.7 65.8		18.7 55.8	50.7 66.8	50.7 37.1	50.7 67.1	50.7 67.1	55.7 67.1	53.7 67.1		1		57.1
≥ 18000 ≥ 16000	4	53.3	65.2 65.3	65.8	56.8 66.8	65.5 66.6	65.3 66.6	67.1	57.1	67.1 67.1	57.1	67.1	67.1 67.1	57.1	67.1	67.1
≥ 14000 ≥ 12000	-9 • t	62.5		61.7	67.7	67.7 58.4	68.1	55.4	67.4 69.7	68.4 69.5	66.4	68.4		68.0	58.4	6.6
≥ 10000 ≥ 9000	1.	57.7	71.0	73.9		74.2	74.5				74.8	74.9	74.8	74.0	74.6	74.8
≥ 8000 ≥ 7000	4.2	71.6	75.4		1	79.7 3.7	80.3	1.6	30.7	80.7	80.7 81.6	60.7 51.6	97.7	80.7	£0.7	2.7.7
≥ 6000 ≥ 5000	5.	73.2	77.4	82.6	91.3	.1.6	32.5	34.5	34.5	52.6 34.5	37.6	92.5	12.6		82.6	
≥ 4500 ≥ 4000	5.	75.5	3 .7	27.1			85.A	95.1	85.1 89.7	85.1		86.1	85.1		96.5	, • • •
≥ 3500 ≥ 3000	3/.4	12.0		35.1 71.0	,		37.7 94.2		91.5	91.5	94.5	91.0	91.0	94.5	94.8	
≥ 2500 ≥ 2000				3 .0	1	54.8 95.0			96.1	96.1		96.1	97.1		95.5	96.5
≥ 1800 ≥ 1500		24.2	1	93.E		96.5	97.1	77.4			97.4		97.4		97.7	97.7
≥ 1200 ≥ 1000	9 4			73.6		96.5	97.4		98.1		97.7		•	97.7	98.1	. 1
≥ 900 ≥ 800	7 4	84.2	1	C3.9		57.1 97.1	98.1	(-	()	97.4			98.4	98.7	† ¤8.7° ₹6.7
≥ 700 ≥ 600	19.4		35.7	93.9	!	7.3	98.1 98.1	78.4 45.4	52.4 58.4			99.4	98.4	98.4 98.4	98.7	99.7
≥ 500 ≥ 400	00 € 44 50 € 44	84.5		94.2	96.8 97.1	07.4		93.7	99.7		98.7	98.7		98.7		99.
≥ 300 ≥ 200				94.2	97.4	₹5.1 98.1	99.0	39.7 20.7	99.7			99.7				100.0
≥ 100 ≥ 0	4		87.0	94.2	97.4		99.7	79.7	39.7		$\overline{}$	99.7	99.7	99.7	100.0	100.0

- 18

- 11

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 10 FR. 4 57.9 64.2 65.7 66.5 65.5 NO CEILING 54. 56.5 66.5 60.5 65.5 46.5 65.5 35.4 72.9 77.9 71.5 71.3 71.3 71.7 72.6 72.9 7:09 77.9 72.4 ≥ 18000 ≥ 16000 7-.3 71.3 71 . 9 72 . 6 72.9 72.9 69.0 71.3 72.3 71.0 72.3 73.2 72.7 73.6 73.7 74.5 73.9 73.9 73.9 ≥ 14000 ≥ 12000 74.8 ≥ 10000 ≥ 9000 77.1 77.17 79.7 60.3 20.3 81.2 77.7 73.7 71. 4 76.1 79.0 31.6 (2.6 63.2 33.6 33.€ A 3 . 5 ≥ 8000 ≥ 7000 73.5 25.5 26.1 65.1 34.5 S5.7 72.4 77.4 60.3 85.2 95.5 c5.5 86.1 86.1 ≥ 6000 ≥ 5000 26.1 35.4 26.1 3'.1 65.1 73.9 79.4 92.6 85.5 76.1 82.3 85.2 95.7 6.8 37.4 67.7 87.7 87.7 87.7 87.7 87.7 01.6 01.6 91.6 91.5 31.6 91.6 91.6 91.6 70.7 71.3 11.9 92.5 04.5 95.5 75.8 95.0 75. A2.4 92.6 95.8 95.8 55.8 96.1 75.5 96.5 96.5 93.7 15.2 76.8 90.3 96.3 96.4 96.3 96.5 77.1 97.1 97.1 97.1 97.1 73.7 85.8 50.4 73.6 15.5 96.5 6.1 07.1 97.4 97.4 97.4 6.1 97.1 97.4 97.4 97.4 30.0 94 . 7 97.4 57.4 97.4 79.7 86.5 96.0 94.2 6.3 97.8 77.1 95.1 79.4 86.6 20.3 94.5 79.7 67.1 91.0 95.2 97.4 97.7 97.7 97.7 97.7 97.7 97.7 900 800 78.4 98.4 98.4 98.4 98.4 53.4 78.4 98.4 76.4 79.7 87.1 91.0 95.2 79.7 87.1 91.0 95.2 7.1 99.1 78.4 98.4 98.4 98.4 98.4 97.4 95 . 2 . 7 . 1 98.1 38.4 77.4 98.4 98.4 98.4 98.4 79.0 99.0 99.0 99.0 99.0 99.0 99.0 99.6 79.6 79.6 99.6 99.8 99.8 99.8 99.8 99.8 99.8 91.3 95.5 57.7 98.7 79-7 87-1 91-3 95-0 97-7 98-7 36.1 38.1 99.0 27.4 77.4 99.4 99.7 99.7 99.7 99.7 99.7 91.6 96.1 38.1 99.0 99.4 49.4 99.4106.0100.0100.0100.0100.0100.0 39.4 42.4 99.4160.0100.0100.0100.c100.0100. 91.0 96 . 1 99.0 68.1 91.6 96.1 98.1 99.0 39.4 59.4 99.4 100.0100.0kg0.0kg0.0kg0.0kg0.c

TOTAL NUMBER OF OBSERVATIONS 31

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIŞ	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING	7,7	2.5	£ 6. 7	57.8	59.7	.0.3	60.5	50.7	63.7	6 . 7	£~.7	6 7 . 7	60.7	57.7	60.	£ . 1
≥ 20000	٠ ٠ ١	5 _• 1	51.7	51.2	\$5.3	66.5	67.4	67.7	67.7	67.6	67.9	07.8	u7.3	67.5	67.5	67.8
≥ 18000	4.7	F P . 1	62.	64.4	66.5	67.0	67.6	67.9	67.0	68.0	68.3	63.0	25.0	68.0	68.	
≥ 16000	4.	. 5 c_• 1¦	6?.	64.4	46.5	67.	67.6	67.9	67.c	60.0	68.7	58.0	68.7	68.0	60.5	48.
≥ 14000	4 .	50.4	62.3	64 . B	56.0	17.4	68.0	1.9.3	60.3	55.4	68.4	60.4	6 g • 4	59.4	D 3 . 4	65.
≥ 12000	14.7	C 4 . 4	63.4	166.0	69.1	68.7	69.3	69.7	69.7	69.7	69.7	57.7	59.7	59.7	69.7	50.7
≥ 10000	1:: • 6	53.1	6 . 6	75.6	73.1	73.4	74.5	74 9	74.9	74.9	74.5	74.9	74.9	74.7	74.0	74.9
≥ 9000	47.5	1 3 . 7	6 . 2	71.2	73.7	74.5	75.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75 . 6	75.4
≥ 8000	ti ~ . ?	55.7	71.3	74.7	77.6	79.5	79.1	79.6	72.6	77.7	79.7	79.7	79.7	79.7	79.1	75 . 7
≥ 7000	27.1	67.3	71.9	76 . 3	73.2	79.1	79.9	67.4	57.4	32.6	હે∷ • ઇ	8 1.6	67.5	87.6	80.6	P. 3 . 4
≥ 6000	1 3 4	57.0	72.6	75.1	70.1	10.0	60.8	F1.3	81.7	31.4	21.4	61.4	41.4	71.4	81.4	81.4
≥ 5000		67.2	73.7	77.6	50.8	11.7	62.5	3.1	33.1	83.2	83.2	83.2	63.2	13.2	83.3	93.3
≥ 4500	•	70.3	74.8	72.7	91.3	22.5	63.6	74.1	34.1	94.3	84.3	84.3	83.8	84.3	54.	na,
≥ 4000	1.7	71.7	76.7	8., . 9	34 . 2	:5 • ₹	36.1	36.6	36.6	86.8	86.8	26.3	56.8	36 . A	86.8	#6.E
≥ 3500	· è .	72.3	77.9	87.17	25.5	*6.6	87.5	88.6	88.7	98.2	88.2	88.7	₽4.2	58 . 7	ა 8 • ∶	1/F
≥ 3000	3.7	74.9	80.3	84.5	38.4	F9.6	90.7	21.4	91.4	91.6	91.6	41.6	71.6	71.5	91.7	71.
≥ 2500	. 3 • 5	76.U	51.6	15.8	89.3	01.1	92.2	77.9	97.0	93.1	93.1	93.1	C7.1	93.1	03.	73.
≥ 2000	3.0	77.0	82.6	95.9	91.0	92.4	93.6	24.4	94.4	04.6	94.6	94.6	74.6	94.6	94.7	
≥ 1800	4 .	77.1	87.8	7.1	91.3	02.5	32.5	74.6	94.6	94.9	94.9	94.9	94.0	94.9	94.9	C
≥ 1500	7 . 1	77.E	83.4	27.9	92.1	93.5	94.8	95.6	95.6	95.9	95.7	95.9	95.9	95.9	95.0	05.9
≥ 1200	+ • .	77.7	83.7	89.3	22.6	ಿ4•೧	35.3	36.2	95.2	96.5	96.5	96.5	95.5	96.5	96 .6	96.6
≥ 1000	44.7	78.1	84.0			94.5	95.9	96.5	96.9	97.1	47.2	97.2	97.2	97.2	97.	27.
≥ 900	4	78.2	84.1	89.B	97.4	54.9	96.3	67.1	97.2	97.4	97.5	97.5	97.5	97.5	97.8	97.6
≥ 800	4 . 7	78.4	84.4	89.2	93.9	75.4	96.8	77.7	97.7	97.9	98.1	98.1	Q# . 1	98.1	99.	e5.1
≥ 700	4.7	75.5	84.5	F 9 . 3	94.0	\$5.5	97.0	77.9	97.3	98.2	98.3	98.3	78.3	98.3	98.4	36.
≥ 600	4 . 2	79.5	94.5	29.4	94 . 1	95.7	97.1	38.1	7 m • 1	98.4	98.5	98.5	98.5	98.5	98 .6	98.6
≥ 500	4.2	72.0	34.6	89.5	94.3	95.9	97.5	56.6	93.5	97.0	99.1	99.2	90.2	99.2	99.	99.
≥ 400	4.2	74.6	84.5	37.6	94.4	\$6.0	97.6	95.8	98.8	99.2	99.4	99.4	99.4	99.4	99.5	99.5
≥ 300	14.7	75.6	34.6	89.6	94.6	06.2	\$7.0	29.0	99.0	99.5	59.6	99.7	99.7	99.7	99.8	09.
≥ 200	4.2	76.5	34.6	89.6	94 . 6	26.2	97.8	00.0	20.0	C9.5	99.7	99.8	99.8	99.9	99.9	99.9
≥ 100	,4	78.6	94.6	39.6	94.6	96.2	97.8	99.0	99.13	99.5	99.7	79.8	99.8	99.8	100.0	100.0
ž 0	4.2	78.4	94.6	87.6	94.5	°6.2	97.8	20.0	99.0	99.5	99.7	99.8	99.9	99.8	100.0	den.a

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	*/ • *	44.	51.9	E 4. 1	50.7	19.4	£0.3	٠.:	-5.7	63.7	60.7	62.7	60.7	40.7	67	6 7
≥ 20000	3.07	53.4	57.1	61.7	65 · 6	56.1	50.9	57.1	67.1	57.4	67.4	67.4	4 و 7 ع	67.4	67.4	57.4
≥ 18000 ≥ 16000	30 • 3	33.4	37.1	51.9		1.6 - 1	66.4	17.1	- 1	67.4	67.4	67.4		67.4		67.4
	***	5.3.6	57.1	61.7		16.1	66.8			67.4	67.4	67.4		67.4	67.4	
≥ 14000 ≥ 12000	3 3 4	53.0	57.4	62.3 52.9	56 a \$1	67.4	67.1 58.4	67.4	57.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	1.		6.0.3	57.4	71.6	72.3	73.2	73.6		73.9	73.9	73.3	77.9		73.0	7
≥ 9000	2.3		62.	57.7	71.9	,	73.6		73.9		74.2	74.2	74.2	79.2	74.2	74
≥ 8000	44	63.2	67.1	72.3		77.4	7 * • 4	79.0		79.4	79.5	70.4	19.4	9.4		79.4
≥ 7000	3 ,		65.1	73.2		76.7	79.7	=7.3		93.7		90.7	٤^ ٦		-	F . 7
≥ 6000	45.	65.2	60.	74.2	78.4	79.7	87.7	11.3	51.7	91.6	21.6	81.6	F1.6	91.6	81.6	21.6
≥ 5000	4 : • 1	06.1	7 .	75.2	8∴.^	21.3	82.3	2.9	87.9	63.2	83.2	33.2	2	23.2	83.2	93.2
≥ 4500	9: • 1	A6.5	77.7	75.8	9 7	81.7	65.0	93.6	57.6	93.9	83.9	63.9	83.9	93.6	83.9	63.0
≥ 4000	7.4		72.9	78.1	93.2	×4.5	35.5	6.1	36.1	86.5	86.5	36.5	64.5	55.5	86.5	5.6 .5
≥ 3500	47.7	1	74.7	79.4	84.8	£6.1	\$7.1	77.7	57.7	88.1	68.1	38.1	E9.1	F9.1	88.1	15.1
≥ 3000	4 * 6 4	71.5	76.1	81.9		48.3	90.0	90.7	32.7	61.	61.7	91.7	91.5	91.7	91.	91.5
≥ 2500	4	72.3	77.1	92.9		○ 3 3	91.6	72.3	65.4	92.6	65.4	92.6		92.0	67.5	97.6
≥ 2000	4 7	72.3	77.1	82.9		50.3	91.6	72.3	32.4	7 6 9 60		92.6	72.6	77.6	92.6	23.00
≥ 1800 ≥ 1500	• # • 7	?:	77.1	93.2	80.4	95.7	91.9	72.6	92.6	72.9		92.9		5.80	92.9	92.9
≥ 1500	15.0		7 • 1	85.2	3, 7	92.5	94.5	14.2	34.3	94.5	94	74.5	24.5	94,5	94,5	24 = 2
≥ 1200 > 1000	49.4		79.7	85.5	91.3	72.9		35.2	75.2	95.5	95.5	95.5	90.5	95.5	95.5	95.5
	4		75.7	P5.5		73.2	95.8	96.5	96.5	96.8	96.8	96.8	96.8	96.5	95.2	95.5
≥ 900 ≥ 900	7		70.4	55.8		73.9	96.5	11	97.1	97.4	96.9	97.4	96.8	96.8	96.8	96.8
	3 7 4		70.7	85.1	92.6	94.2	96.3	27.4	97.4	97.7	97.7	97.7			97.7	07.7
≥ 700 ≥ 600	40.4		79.7	96.1	92.9	04.5	97.1	07.7	77.7	96.1	98.1	98.1	32.1	98-1	98.1	75.
≥ 500	47.4	73.6	77.7	85.1	93.6	75.2	98.1	98.7	93.7	99.0		99.0	49.0	99.0		
≥ 400	49.4	73.6	79.7	86.1	93.6	15.2	98.1	93.7	99.7	99.5	90.0	99.0		99.0	99.0	
≥ 300		73.4	79.7	86.1	93.6	-5.2	98.1	99.0	99.7	79.4	69.4	99.4	\$9.A	99.4		99.4
≥ 200	40.4		79.7	86.1	93.6	95.2	98.1	09.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	44.0		79.7	96.1	98.5	75.2	98.1	79.7			99.7	99.7		100.0		
≥ 0	·• '7 • 4	73.5	7~.7	96.1	93.6	ಿ5 . ೭	98.1	ಾ9•೮	99.C	94.7	99.7	99.7	0.25	100.0	100.0	0.00

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CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES) > 10 > 6 > 6 > 7 > 10 > 8 > 10 > 5 > 10															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.	u€.°	51.	54.2	57.1	57.7	57.4	19.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	53.7
≥ 20000	17.9	45.4	54.2	57.7	51.3	12.6	54.2	54.5	64.5	64.5	64.5	64.5	64.5	54 .5	64.5	54.5
≥ 18000 ≥ 16000	33.4 33.4	49.4	54.5	58.1	61.6	62.9	64.5	64.8	54.5	64.8 64.8	64.8	64.8	64.9	64.9	64.3	ε α.
≥ 14000 ≥ 12000	34.3	49.4 50.0	54.5	58 • 1 58 • 7	61.5	•2.9 •3.6	64.5	64.8	64.8	64.3	64.8	64.5	64.8	64.5	64.0	64.
	77	1.5	61.7	65.8	69.4	71.0	72.6	72.9	72.7	72.9	72.9	73.2	73.2	73.2	73.2	. <u>65.5</u>
≥ 10000 ≥ 9000	17.	15.3	62.6	66.5	70.0	1.6	73.2	73.6	77.6	73.6		73.9	77.0			77.9
≥ 8000	4 . 4	. 5.7	66.5	71.0	74.9	76.8	78.4	79.7	74.7	79.0		79.7	79.7	79.7		70.7
≥ 7000	-1.3	50.7	67.4	71.9	76.1	73.1	70.7	0.00	80.0	20.3	80.7	21.0	£1.0	91.	81.0	91.0
≥ 6000 ≥ 5000	11.3	€1	67.7	72.3	76.5 77.7	78.4 79.7	80.0 81.3	43.3	40.3 81.9	50.7 82.3	81.0 57.5	81.3	11.3	61.3 62.9	31.3	81.3
	41.	62.3	63.	73.9	75.4	FD . 3	31.9	22.6	82.6	82.9	83.7	53.6	33.6	A3.6	83.6	
≥ 4500 ≥ 4000	42.6	43.2	77	75.5	ר.יש	1.9	83.9	44.5	84.5	8 . 4	65.2	85.5	R5.5	25	35.5	Α.
≥ 3500	43.2		71.0	77.1	31.6	°3.6	85.8	46.5	86.5	86.8	87.1	87.4	47.4	97.4	57.4	27,
- -	43.6		73.6	79.0	33.6	£5.5	87.7	39.7	88.7	90.0	90.4 90.4	89.7	89.7	99.7	90.7	89.3
≥ 2500 ≥ 2000	43.5	56.8	75.2	81.0	94 · 5	26.5	91.3	72.3	92.3	92.6	92.9	92.7	93.2	93.2	93.2	90.1 93.2
≥ 1800 ≥ 1500	43.		75.2	81.0 82.3	86 . S 88 . 1	38.7	97.3	°2.3	92.3	92.6		93.2	37.2	73.2	93.2	93.
	34.2		75.2	82.6	38.4	90.6	92.7	93.9	94.7	94.5	94.5	95.2	94.9	05.2	95.7	94.5
≥ 1200 ≥ 1000	4 7	50.1	76.8	83.2	59.7	31.0	94.5	75.5	95.5	95.8	96.1	95.5	95. R	96.45	73.67 96.5	06
≥ 900	114 .	€ ∵ • 1	76.0	P3.6	80.4	91.3	95.2	76.1	96.1	96.5	96.8	97.1	97.1	27.1	97.1	07.1
≥ 800	-4.7	63.1	76.8	P3.9	89.7	01.6	95.5	26.5	96.5	96.6	97.1	97.4	97.4	77.4	97.4	07.4
≥ 700 ≥ 400	44.0	63.4	77.1	84.2	90.0 90.3	91.9	95.3	96.8	96.8	97.1	97.4	97.7	90.7	97.7	97.7	07.
	-4-7	48.84	77.1	84.2	97.7	-2.€	76.5	78.1	98.1		98.7	99.7	99.3			· :
≥ 500 ≥ 400	14.2		77.1	84.2	93.7	92.6	96.8	98.4	9.4	78.7	99.0	99.4	99.4	99.4	99.4	99.4
≥ 300	4 8 . 2	4-04	77.1	84.2	90.7	92.6	96.8	28.4	98.4	98.7	99.0	99.4	20.4	99.4	99.4	99.4
≥ 200	4.4.7	56.4	77.1	94.2	95.7	92.6	96.8	98.4	08.8	98.7	99.0			100.0		
≥ 100 ≥ 0	44.2	64.4	77.1	84.2	90.7	72.6	95. R	98.4 98.4	98.4 98.4	98.7 98.7	99.0			100.0		Γ

TAL NUMBER OF OBSERVATIONS 71

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 1,4	≥ 0
NO CEILING ≥ 20000	77.7		37.	41.9	1	56.7	51.6 57.7	13.2 55.7	53.0 59.7	-	-	54.5	54.8			
≥ 18000 ≥ 16000	27.7		43.6	47.4	51.5 51.3	16.5	57.7	59.7		60.0	50.7	61.3	fl.6		61.9	61.7
≥ 14000 ≥ 12000	7.7		43.6	47.4		7.4	57.7	59.7	57.7	6.J.D			51.6			£1.5
≥ 10000 ≥ 9000	2.1			52.3		62.6	64.5	56.1	66.1	66.5	67.4	69.3	68.4	68.4	6P.7	69.7
≥ 8000 ≥ 7000	7 . 3	45.5		55	60.7	46 • 5 • 7 • 1	69.7 69.7	71.6	71.6	72.3	73.2	73.9	74.2		74.5	74.5
≥ 6000 ≥ 5000	11.	46.5	53.2		62.6	68.7 71.9	71.9	74.8 74.1	74.3 79.1	75.5 78.7	76.5	77.1	77.4	77.4	77.7 51.0	77.7
≥ 4500 ≥ 4000	32.5	40.4	56.1		56.5	72.6	75.8	79.0		79.7	80.7	81.3		81.6	81.9	-1.9
≥ 3500 ≥ 3000	72.0	*1.0	57.7		68.7 71.3	74.8	78.1 81.3	°1.3			62.9	83.6		83.9	84.7	54.2
≥ 2500 ≥ 2000	3		60.C	55.5	71.9	78.7	82.3	55.5		85.1 87.4	87.1		88.4	88.4	88.7	9.7
≥ 1800 ≥ 1500	13.	53.6		66.5	73.2	80.7	83.6			37.4	88.4	89.0	91.0	89.7	93.0	•
≥ 1200 ≥ 1000	34.5		61.7	6º • 1	74.A	61.6 02.9	85.5 86.8	89.5	80.0	89.7	91.3	91.9		92.6		92.9
≥ 900 ≥ 800	34.2		62.3	68.7	76.1	82.9	87.1 87.7	90.7	91.0		93.6	94.2		94.8		94.2
≥ 700 ≥ 400	34.3	55.2	62.9	69.7	77.1	83.9 64.6	88.4	61.9	92.3	03.2	94.8	95.5	96.1	96.1	96.5	96.5
≥ 500 ≥ 400	4	55.5 55.5	63.2	70.0	77.4	35.2 35.2	90.0	93.6	93.9	94.8	96.5	97.1	97.7	97.7	98.1	98.1
≥ 300 ≥ 200	34.5	55.5	63.2	77.0	77.4	45.2	90.0 90.0	43.9	94.2	95.5	97.1	97.7	78.4	98.4	98.7	96.7
≥ 100 ≥ 0	34.	55.5	62.2	77.0	77.4	55.2	90.0	94.2	24.5	96.1	97.7	98.4	99.7		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

1639 State SEE STERN IL

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P) C

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 1% 51.9 ≥ 20000 55.5 E7 .4 57.7 57.7 57.7 51.6 56.5 57.7 57.7 57.7 57.7 57.7 ≥ 18000 ≥ 16000 41.6 55.5 57.4 57.7 57.7 57.7 57.7 57.7 57.7 57.7 57.7 18.4 59.7 58.7 58.7 ≥ 14000 ≥ 12000 53.9 59. 53-4 63-2 (5-7 66-1 66-5 66-5 66-5 66-5 66-5 56-5 53-7 64-2 66-1 66-8 66-8 66-8 66-8 66-8 66.5 66.5 66.5 ≥ 10000 ≥ 9000 75.0 71.7 72.9 72.9 71.0 73.2 74.2 74.2 72.9 72.9 72.9 72.0 74.2 74.2 75.F 78.4 78.4 67.7 75 A 78.4 79.4 79.4 79.0 4500 4000 31.5 3500 3000 41.5 91.6 81.6 81.6 81.5 *1.6 81.5 51. 5 66.5 72.6 77.4 FZ. 3 54.2 24.2 34.7 84.2 84.2 84.2 84.2 84.2 84.2 93.2 85.2 85.2 A5.7 55.2 65.2 85.2 85.2 55 . 2 85 . Z P5 . ≥ 2500 ≥ 2000 75.5 52.3 45.2 97.1 97.1 37.1 87.1 70.5 71.3 92.9 85.6 87.7 77.7 84.5 :7.4 89.7 89.7 89.7 90.0 90.0 90.0 90.0 90.0 90.0 90.0 92.6 92.9 92.9 22.0 1200 67.1 73.2 8..3 88.4 71.3 93.9 93.9 93.9 94.2 94. 9. .3 88.7 91.5 94.8 34.8 67.1 73.6 86.7 80.4 72.6 96.1 76.1 96.5 03.2 96.8 76.8 97.1 97.4 97.4 700 83.7 89.7 93.2 97.1 97.1 97.4 P1.3 90.3 73.9 97.7 97. 98.4 98. 98.9 98.7 98.1 94.2 98.4 58.7 90.B 67.7 81.3 95.7 94.2 98.1 98.4 98.7 99.0 99.4 98.4 98.7 99.0

TOTAL NUMBER OF OBSERVATIONS ______

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	20.4 32.3	42.	45.°	47.7 52.6		42.4	40.4 53.6	41.4	T.1	9 5 . 4 5 3 . 0	57.4	53.5	53.6	45.4 53.6	4R.4	4 5 6 4
≥ 18000 ≥ 16000	13.7 33.2	38.1	51.9	53.2 53.2	53.6	54 + 2	54.7	-4.2	54.7	54.2	54.2	54.2	59.2	54.2	54.2	54.7
≥ 14000 ≥ 12000	33.2	49.4 49.4	57.3	53.6 53.5	53.9	14.5	54.5	-4.5	54.2 54.8	54.5	54.5 56.5	54.5	54.5	54.5	54.5	\$4.0
≥ 10000 ≥ 9000	₹4.7	34.5	57.3	61.0	61.6	(2.6	67.6	62.6	- 1	62.6	62.6	56.5	62.5	62.6	62.5	56.5 67.6
≥ 8000	39.7		62.6	55.5	66.5	42.7	67.7	67.7	67.7	67.7	,		67.7	67.7	67.7	67.7
≥ 7000 ≥ 6000 > 5000	41.7	59.4	63.5	68.4	67.7	70.7	77.7	39.7	73.7	70.7		73.7		70.7	10.7	70.7
≥ 4500	42.6	52.6	65.5	70.7 70.7 73.6	71.6	73.2	73.2	72.9	77.7	73.2	73.6	73.5		73.6	73.5	1
≥ 4000 ≥ 3500 > 3000	4.07	56.5	71.3	76.1	75.2	- 1	76.3			79.7	97.0	80.0		77.1	77.1 80.0	
≥ 2500	40.7	73.5	70.7	P4.8	57.4	99.4	89.4	29.4	36.1	89.4	89.7	89.7		99.7	89.7	97,7
≥ 1800	70.7	74.3	8 . 3	86.8	89.4	91.5	91.3	* * *	91.3	91.5	91.6	91.6	91.6	91.6	91.6	01.6
≥ 1200	1 • 5	76.1	87.7		92.6	8.89	95.5		94.5	94.5	96.1	96.1	94.5	96.1	36 · 1	96.1
≥ 1000 ≥ 900	1.6		83.5		94.5	96.1	96.8	96.B	96.9	98.1	98.4	98.4	98.4	?8.4		98.4
≥ 800	1.6		84.5	92.3	95.5	37.7	98.4	98.7	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	1.6		84.5	92.3	95.8	98.1	98.7	99.0		99.4	99.7	99.7	99.7	99.7		99.7
≥ 400	11.6	78.4	84.5	92.3	95.8	98.1	98.7	99.4	99.4	99.7	100.0		00.0	00.0		3.00
≥ 200 ≥ 100	1.6	74.4	84.5 84.5	92.3	1	98.1	98.7	99.4	99.4		100.0	160.0		100.0	00.00	
≥ 0	1.5	79.4	84.5	92.3	95.9	98.1	98.7	09.4	79.4	99,7	100-0	1000	100.0	00.0	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

1

old' IEF, IL

5#

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1½	≥ 1%	≥ 1	≥ 4	≥ 4,	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	38 . 2 39 . 7	97.4	51. 58.1	52.6 59.7	52.9	2.5	5?.9 67.3	42.9 60.3	52.0 63.3		52.9	52.9 60.3			52.9 60.3	
≥ 18000 ≥ 16000	30.7	54.2 54.2	5%.1	59.7	67.3 67.3	# 7 . 3		60.3 60.3	60.3	60.3	60.3	60.3 50.3		60.3		
≥ 14000 ≥ 12000	70.3	- 1	53.7 61.0	6.3	61.0 63.2	61.0 63.2	63.2	61.0	63.2	61.0	61.0	61.0		61.0	61.7	51.7
≥ 10000 ≥ 9000	42.5	59.0 50.0	67.6	65.2	3.76	65.8	65.3	65.8	65.8 56.8			65.3			55.5 66.8	65.5 66.5
≥ 8000 ≥ 7000	45.	63.9 64.2		1	71.6	1	;	-	71.° 72.6		71.9 72.6			71.9	71.9	71.4
≥ 6000 ≥ 5000	40.1	67.1	1	72.3	77.6	73.2 77.7		73.2	73.7		73.2				73.2	73.2
≥ 4500 ≥ 4000	48.4 40.0	67.1	77.9	75.5 77.7	/	77.7 F0.7	- 1		77.7		77.7 31.7			77.7 91.0	77.7 61.3	77.7
≥ 3500 ≥ 3000	10.3 51.4		- ,		83.3 45.5		33.9 37.7	-	63.9 87.7		83.9		88.1		83.9 68.1	85.5 55.1
≥ 2500 ≥ 2000	52.5 54.2	75.5	83.6 85.1	97.1 89.7		70.3 72.9	91.6 94.2	71.6 94.2	91.6 94.2	,	91.9 94.5			91.9 94.5	91.9	91.9 94.5
≥ 1800 ≥ 1500	4.5		36.1 37.4	89.7 71.3	91.6 92.9	72.9	94.2 95.5	25.5	94.2 95.5		94.5 95.8					94.5
≥ 1200 ≥ 1000	4.5	80.		91.6	93.2 94.2	94.5 95.8		97.4		97.4	97.7			96 o F 97 o 7		
≥ 900 ≥ 800	34.5 ,4.5	80.0	38.4 88.4	92.5	94.8	96.3 97.1	98.1 99.0	78.1	99.0		95.4	-		99.4	98.4	
≥ 700 ≥ 600	4.5		35.4 96.4	92.6 92.6	95.5 95.5	37.1 77.1	99.C	38•U	40.7			79.4 94.4	99.4		99.4	
≥ 500 ≥ 400	74.5 94.5	43.5	82.4 88.4	92.6	75 • 5 95 • 5	97.1 97.1	99.0	79.4	99.4			99.7 99.7	99.7 99.7			99.7
≥ 300 ≥ 200	4.5	80.0	88.4	92.6 92.6		27.4	99.4	99.7	99.7	97.7	100.0	100.0	00.0	C0.0	100.0	00.0
≥ 100 ≥ 0	. 4 . 5	90.0 80.0	88.4	92.6	75 . 5 95 . 5	97.4	99.4	39.7 59.7	99.7	99.7 99.7	100.0					

TOTAL NUMBER OF CASERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ %	≥ 5/16	٤٠.	≥ 0
NO CEILING ≥ 20000	2 . 3	5. • 3 5 `• 3	57.3 52.3			-3.9 -5.2		51.9 71.5	53.3 65.5	1	57.9	53.7 65.3		í	53.9	,
≥ 18000 ≥ 16000	42.		52.5	63.9	64.9	15.5 (5.5	65.8	65.8 65.8	65.8	8.23 8.23	65.8	65.3 65.3		65.9		65.8
≥ 14000 ≥ 12000	-3.00	61.0 61.3		64.5		66.5		66.8 58.1	-	65.8 64.1		66.1		66.8	66.0	66.3
≥ 10000 ≥ 9000	47.1		69.5 69.7	70.7		1	73.6			73.6				73.6	77.6	73.6
≥ \$000 ≥ 7000	্ৰ জুক ্ৰ		79.5 76.1	7t.5	- 1	79.7	an.3	·[• 3	83.7	83.3 81.9	En.3					93.3
≥ 6000 ≥ 5000	1.	73.5	77.1	,	61.3			12.9 15.2	83.7		82.2 85.2	-	87.9 55.2			85.2
≥ 4500 ≥ 4000	51.0°	75.5 76.1	75.7			4.5 5.5		!	88.8	85.5 86.6		85.5.	-			55.5
≥ 3500 ≥ 3000	3.7		81.0	A2.9		97.1	1	7 • . 4 01 • D	- ;	91.3			89.4 91.3		88.4 91.3	
≥ 2500 ≥ 2000	13.6 13.6	1	83.9 84.2	36 • 1 36 • 5		91.3				93.2					93.2	93.0
≥ 1800 ≥ 1500	53.7 53.7	81.7 81.3		86.8 87.7	91.7	73.2 74.5		94.8 96.1		95 • 2 96 • 5						95.2
≥ 1200 ≥ 1000	20 12 20 23 31 45	81.3 81.3		88.1 88.4	92.9	94.8 95.8		96.5	96 . 5	96.8	96.2	76.8	56.9	96.5	96.9	96.8
≥ 900 ≥ 800	13.0 23.0	81.7 81.3		,	93.9	95.8	97.1 97.1	97.4	97.4	97.7 97.7						
≥ 700 ≥ 400	53.7 53.9	91.3 91.3		68.4 38.4	93.9	95.8 96.1	97.1 97.4			97.7			93.1 98.7			
≥ 500 ≥ 400	53.0 53.0	31.3 81.3		68.4		96.5	97.7	98.1 98.7	98.1	99.4 99.5	99.0					
≥ 300 ≥ 300	53.0	91.3	85.5			8.69	98.7		99.0	79.4 49.4	100.0	100.0	00.0	00.0	100.0	06.0
≥ 100 ≥ 0	53.0	91.5	35.5 85.5			6.8				79.4						

TOTAL NUMBER OF OBSERVATIONS

310

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 21/2 ≥ 1% / ≥ 1% ≥ % NO CEILING F1.6 61.6 61.6 ≥ 20000 69.4 69.4 68.4 ≥ 18000 ≥ 16000 66.5 66 . 1 69 . 4 18.4 63.4 68.4 69 68.4 67.4 (9.0 69.4 66.7 70.3 70.7 59.4 ≥ 14000 ≥ 12000 59.7 63.9 70.7 70.7 70.7 70.7 70.7 70.7 76.1 ≥ 10000 ≥ 9000 .0 62.7 71.7 74.2 76.1 76.5 76.5 76.5 41.5 82.3 ₹.6 42.9 83.6 03.9 83.0 43.0 ≥ 6000 ≥ 5000 87.4 1.7 43.1 3.8 ≥ 4500 ≥ 4000 95.11 -3.4 69.0 30.4 89.4 49.4 90.0 :3.3 83.2: 37.1 ≥ 3500 ≥ 3000 73.9 80.7 43.6 48.4 40.7 71.3 1.6 41.6 91.6 90.3 C2.6 93.2 81.6 65.5 91.3 43.6 94.2 14.5 91.6 03.0 94.5 :4 . 9 04 . 0 1800 1500 92.3 94.5 95.2 92.6 95.2 95.8 76.1 46.1 93.6 95.0 97.1. 97.1 97.1 6.1 93.6 97.1 97.1 26.8 46.1 **≯** 83.2 86.1 93.9 96.5 97.1 97.4 97.4 97.4 97.4 **∂6 •**8 97.4 37.7 97.7 97.7 07.1 88.4 97.4 98.4 98.7 98.7 98.7 83.6 88.7 94.8 97.4 98.4 88.7 98.7 98.7 98.7 98.7 38.7 94.3 77.4 98.4 93.7 94.8 97.4 99.4 99.5 79.0 99.4 97.4 98.4 99.0 94.8 39. 99.7 99.7 99.7 28.7 94.8 97.4 98.4 99.3 99.7 99.7 99.7 99.7 99.7100.0100.010c.

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOVES IL & T

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ 4	≥ 4,	≥ ⅓	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000		4 K . 7	4 . 7	57.3	53.4	54.5 -1.2	55.0 61.8	5.2 52.1	50.2	55.3 62.2	52.3		53.5 62.4	τς (2.4	55.5 52.4	72.9
≥ 18000 ≥ 16000	15	5,40 56.€9	54.7 54.7		60.0 57.0	61.6	61.	62 .3 62 .3	62.3 52.3	52.3 62.3	62.4	62.5	52.5	62.5 52.5	67.5 62.6	45.6 62.6
≥ 14000 ≥ 12000	30.1 37.	1.3	55.2 56.4	5 > . " 3 ? . 3	61.0	31.7 (3.3	62.5	62.8	62.8 64.7	62.9 64.4	67.0. 54.5	53.0 54.6	67.1 64.6	63.1 64.6	64.6	42.1 24.45
≥ 10000 ≥ 9000	* - , α ₹/- , t	56.5			56.5 67.4				67.5 77.0	65.7	67.8		70 • D 7	70.5 70.6	70.0	72.6
≥ 8000 ≥ 7000	1.0		65.4 56.2		72.3				75.4 76.4	73.8	-	76.1	76.1 77.3	76.1 77.1	76.1	76.
≥ 6000 ≥ 5000	, 4	_			74.7 75.7		_		77.0	7d . 1	71.2		70.4	78.4	78.4	75.4
≥ 4500 ≥ 4000	14 a "	540}	67.7 7.7		77.0	-	93.5	7.1 3.1	21.1 3.1	81.3 83.3	,	\$1.6 83.6	61.6 93.6	21.6 23.5	21.7 67.7	21.7
≥ 3500 ≥ 3000	45.	56.7	77.3		87.7 33.4	e3.0	84.3		54.9 56.1		85.3	35.4 98.6	95.4	25.4 88.7	55.5 98.5	88.5
≥ 2500 ≥ 2000	41.07	59.1 70.7	75.7		85.7	47.0	1		-	93.2		92.1	95.7 92.2	90.7	90.7 92.2	92.7
≥ 1800 ≥ 7500	45.7	70.5	-	52.0 83.2					71.8 93.4		97.3 93.9	94.	90.5	92.5	99.5	54.8 54.8
≥ 1200 ≥ 1000	17.00 47.07	71.7	70.5		90.1	91.8 92.0	94.7		74.4		95.0	95.1	56.2 76.5	75.2 96.5	96 . 5	. 50 • 5
≥ 900 ≥ 800	7.7	72.7	77.1	85.1	9 . H	3.1 3.6				97.1	-	-	96.9	96.9	97.6	77.
≥ 700 ≥ 400	47.5	72.5	. •	'		4.2		97.4	37.1		97.7 98.2	-	97.9	98.4	98.4	29.4
≥ 500 ≥ 400		72.5			91.6	4 • 5 = 4 • 6	97.2		94."	78.5	99.1				,	90.7
≥ 300 ≥ 200	* 7 . 3	72.6 72.6	77.4	P 5 . 4		4.6	97.3	95.3 95.4	98.4 99.5	1	99.2		50.4 99.8	-		99.5
≥ 100 ≥ 0		72.6				94.5	97.3			79.0 79.0			99.9			

TOTAL NUMBER OF OBSERVATIONS 24°

CEILING VERSUS VISIBILITY

HOURS . L S T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO CELLING 2 70000 4 7 7 1 52 7 61 7 62 7 22 7 22 7 2 7 7 7 7 7 7 7 64 8 3 4 8 7 64 7 64 3 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CEILING	VISIBILITY (STATUTE MILES)															
≥ 10000	(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	1	≥ ાધ	≥ 11.	≥ 1	≥ &	≥ 4	≥ 4	≥ 5-16	≥ ',	≥ 0
≥ 18000 ≥ 18000											4	1 • 7	11.3	7 3 6 2	-1.3	11.1	-) . ?
2 16000 1	≥ 20000				*1 • 7							3403	54.7	14.		<u>.</u>	
≥ 14000					: . 1 • 7 : 6 1 • 7			· ·		77.7 43.7		Car.	54.3	104 . 7	164.3	54.	- 44 ± 2.
≥ 1000			<u> </u>	5 7 . 7	6					5 6 5 7				56.7	L. 7	64.7	•
≥ 10000				61.0	7.3	64.	4.		-5.3	45.7		. 5 .		66.0		6.5	£ .
≥ 9000			· : —	5	1.5 - 3	·								• • • •	71.5	· • • • • • • • • • • • • • • • • • • •	7
≥ 8000		7	L 4 . C	66.0	7	59.7	49.7				• • .		71.	71 - 1	71.1	71	71.
≥ 7000 Sa 7 7 6 7 7 7 7 7 7 7 7 7 7 6 3 7 6 3 7 6 3 7 6 3 7 6 6 7 7 7 7	-		+										7.0		76.	76	7.
≥ 5000				·				/				74.	7 . 0	70.0	79.0	78.0	7
≥ 3000								770				7 -	7:00	-,:	75.	7.5	• = [, 1
≥ 4500 2 4000 3 7 4 7 7 7 3 6 1 4 3 7 4 7 7 3 6 1 4 3 7 6 7 6 7 6 7 6 7 6 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7 7 7 6 7		٠,						81.7	-1.7		90.7		0.00	2.3	37.3		3
≥ 4000			74. 7		·			+	7.5		·	1.7	7.7			- 7	• •
≥ 1500					1723		-			-5.7	37.	95.				86.1	37
≥ 1000 ≥ 100	+	<u>-</u> -		3 - 7	* 7 . 7			<u> </u>	6.3	-1, 7	7.	7-7	7.3	•	·		7
≥ 1800		0.3	74.3	65.3	76.3		-	1		29.7	. 0 . 1	7	3 3	- 30 . 3	90.3	C . 3	
≥ 2000 2 1500 2 1500 2 1500 3 1 1 1 2 1 3 4 5 3 1 5 5 5 7 1 1 2 1 2 1 5 7 1 5 7 1 1 2 7 1 2 5	3 3500	1	7 7	A 3 . 7	- 7.7				-1.5	41.5	31.7	91.7	21.7	•		71.7	
$ \begin{array}{c} 2 \ 1800 \\ \geq \ 1500 \\ \geq \ 1500 \\ \geq \ 1600 \\ \geq \$. 7		14.	1 40.3		0.0	91.3	^1.3	1.7	2.5	97.5	7.7	92.1	72 .:	97.0	0 - 0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		· =	7 7 7 7			·			1.7	7107	7.3	27.3	92.1	•	· 32 3		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					96.3	ام دو ا			:1.7	^1.7	77.7	47.7	92.7	57.7	92.7	27.7	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	> 1200	1.	30.7	54.7				92.7	77.7		43.7	· · · · · · · · · · · · · · · · · · ·	73.7	7.7	93.7	67.7	7
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			1.3	35.7	3	92.3	- 2 - 7	C 4 . 7	4 . 7	34.7	9	nc.3.	25.3	90	35.	. 5	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	> 000		4	E+.7	77.7				4.7		<u> </u>	95.7	75.7	95.7	95.7	95.7	0 6
		1.	*1.7	81.3	91.3	97.7	43.7	95.3	45.5	95.7	96.3	96.3	85.3	. 00. 7	96.3	96.3	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			1.7	36.3	01.2	22.4									56.7	16.3	
≥ 500 1. 1.7 37.7 71.7 73.7 74.5 96.3 56.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97			11.0		1	: • 1									97.	97.0	. 47.
≥ 400 1. · 1.7 37. 77. 24.7 4.7 97.5 77.0 47.6 98.7 98.7 98.7 98.7 98.7 98.7			+					+	+					÷	+	27.	\$7.5
					1	1		1				1				98.7	73.7
- > tan I de vide dio a l'alla l'alla creta dre la frail de la creta de la region de la gradia de la gradia de	≥ 300	7.	1.	37.	77.0		.4.7	+	+					+ ·	+		07
	≥ 200		i					_	1					,	1	99.3	95.3
1 1 2 7 6 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			+												+		
		1.	1.9	_		1		1		- :	-	- 1			1	99.7	F !

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

4#

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 14	≥ 1	≥ ¾	≥ 4	≥ %	≥ 5:16	≥ ¼	≥ 0
NO CEILING	1.	3.7	5.5.	7	50.0	?•°	7 ۽ تر	19.7	າລູ?	* - • :	(7.	• 3	, n		. 🕆	•
≥ 20000	<u> </u>	· · · ·	56.7	11.0	£ 5 e	3	5.07	• 1	7.7	1.40	640	54.0	- 4 - 1	640	-4.	ti
≥ 18000	13.	6.	3 . 3	41.	03.	5.	* 3 * 7	1.7	1.7.7	5.4 📲 5	54 €	±4.3	1.50	04.5	64.	. ξα.,
≥ 16000	<u> </u>	36.			i ? •	<u> </u>	€3.7	7.7	~. ? • 7	54.	1,40	600		66.	<u> </u>	
≥ 14000	, ,	50.3	5 . 7	£1.*	53.3	. r.3 • ".	64.0	4 . "	.s e • "	64.3	(.4.)	64.5	62.3	· 64.5		1. 6
≥ 12000		: 7 . 3	31.7	67.3	:4.	44.7	1.5	15.0	<u> </u>	45.3	5 . 3	65.3	<u> </u>	<u>. : 5 . 5</u>	. 55.	
≥ 10000	•	65.3	h	65.3	63.0	4.7	12.7		5 4 7	€ 🕽 🞳	65.0	⇒9•3		57.0	65	•
≥ 9000	•	[52.7	() . ?	6 .	1/2 - 3	E 3.7	18.7	0 . 7	65.	48.	600		69.	£ 3	
≥ 8000			o •• ‴	71.7	77.7	73.7	74.3	14.3	74.	74.7	74.7	74.7	74.7	. 74 . 7	74.7	13.7
≥ 7000	?	. (7.)	4 . 7	7: • 3	· • • •	71.63	76.0	74.0	7.	76.3	7 ?	75.3	11.3	76.7	76.3	
≥ 6000	, , , ,		7 . 7	74.2	70.1	76.3	77.	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.	77.
≥ 5000	• '		7 . 7	70.5	7".7	78.3	71.5	79.3	7 2 . 7	7 . 7	7 . 7	77.7	77.7	15.7	77.	77.7
≥ 4500		7	7	77.1	73.	-9 . :	ar " "	17.0	1 1	3		25.3	′ • ₹	- 3	7.	
≥ 4000	•	7/10 - /	73.7	7	3 7	2.2	~1.7	1.7	<u>01.7</u>		.	3 2 <u>• 1</u>	• ^			•
≥ 3500	7	71.7	7	71.3	32.3	7.3	43.7	7 (7	7.7	a4.	3.	÷ 6	1. •	94.		ن ۾ سڪ ت
≥ 3000 <u>}</u>	• `	73.3	77.0	31.7	34.7	4.7	₹6.		^ · · • ·	50.5		:5.3	37.0	. 45 . I	de . 3	
≥ 2500	•		7 . 3		u (7.1	2.3 .3	6.3	- 4 - 7	- 5.7	25.7	83.7	``. ' , ''	5 4 . 7	57.7	1 . T
≥ 2000	•	76.7	2 4 7	2201	80.7	3 . 7	9.	16.2		35.3	. : 1 • 1	. 3	7		90.0	1.5
≥ 1800	,	76.7	3' •		87.	79.1	71.3	16.3		7 . 7	7.7	77	7	4 . 7	117,7	^ •
≥ 1500	7 • 1	77.	1.1.7	.7.3	9 .7	^ `• 1	¥2.3	2.3	2.7	32.7	7.7	92.7	7.7	. 72 • 7	77.7	"
≥ 1200	l	17.7	81.7	· 5 • 7	91.7	1.7	23.3	3.3	93.0	7.3.7		3.7	, 7	2:.7	93.7	ે જ 💤 📆
≥ 1000	4.	7	\$ 7 • 7	30.3	92.7	2.7	04.7	34 . 3	94.3	34.7	94.7	×4.7	14.7	74.7	94.7	C 7
≥ 900		7.5		. 7	23.2	3 . 3	15.3	. 12.3	35.	75.7	3 7	93.7	۳,۶	ີ່ ∹ວ .	45.7	i
≥ 000		77.0	55 . ნ	7	93.3	3.3	95.7	2 . 7	78.7	46.	96.0	46.0	55.7	ે6 • '	36.	[48 . 1
≥ 700	4 .	71.7	33.7	52.6	93.7	3,7	76.	96.0	96.3	70.3	16.7	31.3	4/.3	76.3	16.	100
≥ 600		15.7	17.1	35.0	03.7	^3.7	96.3	45.3	66.	16.7	46.7	26.7	27.7	CF . 7	76.7	7:47
≥ 500	4.	79	-5 .T • T	-3.5	14 .	'4 . C	75.7	75.7	96.7	97.3	67.3	97. 3	27.3	. 97.3	27.5	7.1
≥ 400	٠,	7" • *	32.7	20.3	94.1	44.5	36.7	25.7	6.7	77.2	77.3	97.3	97.3	97.3	97.1	[د و و د ر
≥ 300		7.07	87.5	5 .3	74.	4.3	77.	17.5	5	,	34.1	95.0		79.5	ÿ g ,₹	
≥ 200	4.	7:	43.3	2 . 7	ca . 7	4.7	47.7	27.3	97.7	44.	50.7	9 . 7	0.50	60.7	99.0	94 .
> 100	4.	• • • • • • • • • • • • • • • • • • •		3 . 7	34.7		77.7		77.		59.7	93.7	20.0	59.0		09.3
2 0	4.	7/ . /	d 3 . 7	77.7	20.7	4.7	47.3	107.3	47.7	93.1	75.7	98.7	20.0	99.		ing.s.

TOTAL	NUMBER	OF	OBSERVATIONS	

DIRNAVOCEANMET

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<u>. "</u> پيرو

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	_						VIS	IBILITY (ST	ATUTE MIL	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/3	≥ 2	≥ 11/3	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	_ ≥ 14	≥ 0
NO CEILING ≥ 20000	•		4	4, 5	51.	49.7	51.3 55.0	· [• 3		53.0 57.0	57.0		53.0 57.0	53. 57.0	53.0 57.0	E 7 . "
≥ 18000 ≥ 16000)'"	£ .	4". 1	6%. 48.	51.	42.3 2.1	5.	56.€C	56.7	17.0 57.0	57.0	57.0 57.0			57.0	7. 57.t
≥ 14000 ≥ 12000		4 ? • 3	45.7	41.5	52.3	-4	\$5.7 56.7	56.7	54.7 57.7	57.7 58.7	57.7	57.7	57.7	57.7	57.7	5.7.7
≥ 10000 ≥ 9000	7/ • 1	46.00 46.00	47.7	52 .3		7.7	60.3 60.3	1.3	11.7	62.3 62.3	62.3	50.3 50.3	/2.7 .:.3	62.3 62.3	62.3 62.3	62.7
≥ 8000 ≥ 7000	•	ែម2វ មេស•ស	50.3 54.3	55.7	67.0	11.2	64.0	75.0 +7.3	4 3 6 7	19.1 64.3	56.0 60.7	65.0	66.5 7.3	56 • 7 5 • 3	66.0 68.3	56.
≥ 6000 ≥ 5000	•	1.7	56.3 e.	C 1		15.7	64.7 50.	A7.7		6: • 7 71• 3	68.7 71.0	71.0	71.5	58.7	60.7	73.7
≥ 4500 ≥ 4000	7.1	3.7		61.3	6".		71.7	77.0	72.0	76.	76.	71.3	77.7	73.0°	73.7	76.
≥ 3500 ≥ 3000	7,	1 56.5 77.4		11.7	70.0	72.0	76.	77.7	77.7	57	77.7°	73.7 h 1.7	7 . 7	76.7	79.7	75.
≥ 2500 ≥ 2000	4.	7.7	54.7 65.3	55.7	77.7 77.7	79.7	97.7 83.3	3.5	7	32.7	ह र,र १८,०	92.7	94.	12.7	ີ່ ພິຊ.າ ຂໍ6.ວ	7 0 0 0 °. 1 € 6 °.
≥ 1800 ≥ 1500	45.	61.	67.	77.7	72.5	11.3	35.7	17.3	7.4	87.5	t t . 7	⇒7.5 85.7	30.7	17.3	37.7 88.7	ة . و ه 7 . و و
≥ 1200 ≥ 1000		.2.	5 · .	74.3	77	4.3	46.3	9		35.3	1.7	21.7	10.7 11.7	10.7	39.5 91.7	94.5
≥ 900 ≥ 800	47 e 3		77.0	75.5	37.5	5.0 26.3	RC. 7	2.3	71. 27.1	52.7 (4.3	77.7	96.3	77.7 74.5	94.3	97.7	` 67.7
≥ 700 ≥ '00	46.03	13.7	77.5	77.3	43.7	16.7	91.0	ີເຊັ•ຄື *•ວ	7 T	95.	4 E	45.		. वृद्ध _{• 1} ′ । 95 • ″	ີບຣູ້: ດຸຂຸກ	* 45.45 95.45
≥ 500 ≥ 400		3.7	70.7	77.3	.1	7.	71.7	4.3	, 4 . T	95.5	77 (1) ()	70.7	78.7	96.7	76.	9(
≥ 300 ≥ 200	-	/ 4 e	77	77.7	94.7	27.7 7.7	97.7	25.7	•	47.7	97.7 97.7	96.7	າາ•ວິ ຈາ•ວິ	98.7	98.7	98.7
≥ 100 ≥ 0		44.	7 . 7		34.7		92.7	35.7	•	97.7	•	. •	CF.C.		98.7	

TOTAL NUMBER OF DESERVATIONS

DIRNAVOCEANMET SMOS

HH

14

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IL S T

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 4,	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	1.	45.3	44.7	49.3 52.3		1.3	71.7 55.7	51.7 55.7	51.7	1	57.0 56.3	52.0 56.3			52.0 56.3	
≥ 18000 ≥ 16000	3.3	45.7 45.7	5 . n 5 n . n		55.3	15.7	56.0	56.0 56.0	55.0 56.0		56.7	56.7	54.7	56.7	56.7	50.7
≥ 14000 ≥ 12000	30.3	45.7	51.0	52.7 53.7	55.3	55.7	56.7 57.0	56.0 77.0	54.7	56 • 3 57 • 3	57.7	56.7	26.7	56.7	56.7	5t . 7
≥ 10000 ≥ 9000	3 3	45.7	57.3 58.5	50.3	50.3	59.7	62.0 62.0	40.0 e2.0			62.7	61.7	£7.7	60.7	50.7	50.7
≥ 8000 ≥ 7000	7.7	53.7 55.7	58.7	£1.7	65.0	67.7	68.3		60.7	66.	66.3	56.3	66.3	66.3		
≥ 6000 ≥ 5000	4 . 7	56.	61.7		67.7	48.3	68.3	9.7	68.3	£5.7	3.93	59.3		69.5	60.0	64.0
≥ 4500 ≥ 4000	2.0	58.7	67.7	67.3	71.0	71.3		72.0	77.0	72.3			72.7	72.7		7:.7
≥ 3500 ≥ 3000	7	60.3	1		74.7	75.3				76.7	77.7	77.0	77.0	77.0	77.0	
≥ 2500 ≥ 2000	. 7 . 3	48.3	71.3	75.3	30.0	5.7			81.7		22.3			82.3	82.3	92.3
≥ 1800 ≥ 1500	100	70.7	75.0			29.3	56.3 56.7	57.D	>7.7	97.7	38.0	83.0	20.0 20.3	56.0	34.5	0 1 3
≥ 1200 ≥ 1000		72.3	79.3 87.7	94.7	90.3 90.0	3.3	91.7	·	42.7	63.0	97.3	93.3	93.3	93.3	93.3	23.3
≥ 900 ≥ 800	1.3	73.3	81.3	16.7	92.7	24.1	94.3	7 - 1		97.7	96.0	96.0	95.3	26.3	94.3	76.1 08.7
≥ 700 ≥ 600	1.3	73.7		87.3		96.0	96.7 96.7	-7.7	99.0	00.3	98.7	98.7	99.7	99.6	99.7	- 1
≥ 500 ≥ 400	1.7	73.7	81.7	87.3	94.3	96.3	97.3		99.7	95.1	99.3	99.3		99.7	99.7	49.7
≥ 300 ≥ 200	1.3	7.7.7	21.7 31.7	67.3	94.3	76.3	97.3	98.3	93.7	99.2		39.3	99.7		99.7	
≥ 100 ≥ 0	1.3	73.7		47.3	94.3	06.3	97.3	65.3	93.7		99.3	79.3	99.7	99.7	99.7	100.C

TAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

48

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.

CEILING							VIS	BILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/2	≥ 14	≥ 1	≥ %	≥ %	2 %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000	ार्ड ्ड	44.3	47.3	46.3	55.	18.7	4 ? 55 . 1	4 7 -5 - 0	68.7	- 1		48.7 55.0	:		48.7	94.7
≥ 18000 ≥ 16000	43.7	75.7	55.7	54.7	55.	5.	55.5 55.0	15.0	55.7 55.7	55.0	35.0	55.0 55.0	55.0		1	
≥ 14000 ≥ 12000	7.3	11.3		55.0	50.3	15.3	55.7	55.3			55.3	55.3 57.7	55.3	55.3	5.3	
≥ 10000 ≥ 9000	. u . ₹			61.3	62.5	11.7	62.0	1.7	62.7	51.7	61.7	61.7	61.7		62.0	61.7
≥ 8000 ≥ 7000		E 2 . 7	52. 1 64.	66.3	55.0	65.5 66.7	55.0 66.7	€5.0	65.9	65.C	65.3	45.0	55.0	65.0	65.7	
≥ 6000 ≥ 5000	47.1	50 . I	54.3	55.7	67.	67.8 69.8	67.0	67.0 69.0	57.3		67.3	67.0		67.0	67.0	67.
≥ 4500 > 4000	.7.7	53.3	70.0	73.0			71.8	71.0		71.0	71.7	71.C	71.0	71.8	71.0	•
≥ 3500 ≥ 3000	7.1	50.3	73.0	75.7 92.3		76.7	77.	77.3	77.9	84.3	77.3	77.3	77.3		77.3	77.
≥ 2500 ≥ 2000	37.7	77.0	92.3	85.3		76.7 59.7	87.0 90.0	67.3 CO.3	87.3		E7.3	67.3	67.3	47.3		47.3
≥ 1800 ≥ 1500	1.2	30.7	87.	93.0	91.3	21.3	71.7	72.0	92.0		45.6	92.0	92.0			72.
≥ 1200 ≥ 1000	1.7	-3.3 04.	91.	94.0	74.7	94 • 7 95 • 7	95.0		23.4		75.3	25.3	95.3		' .	95.7
≥ 900 ≥ 800	1.7	94.3		94.3	96.3	96.3 57.3	98.0	97.3		97.3			97.3		97.3	57.7
≥ 700 ≥ 600	1.7	24.7	92.0	95.C	97.3	97.7	90.3	73.7	95.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500 ≥ 400	1.7	84.7	1	95.0	97.3	97.7	98.7		99.3	99.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300 ≥ 200	1.7	94.7	- 1	95.0	97.3	97.7 97.7	98.7			161.0	- 1					·
≥ 100 ≥ 0	1.	34.7	92.1	95 • G	97.3	97.7	98.7	~9.7	110.0	130.0	100.0	100.3	330.0	00.0	100.0	100.5

TOTAL NUMBER OF OBSERVATIONS

300

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (CST)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)	-					į
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	u ′ • ₹	49.7	51.7	52.3	52.¥	72.7	72.7	52.7	52.°	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	4 . 7		55.	57.0					57.3				57.3		57.3	+ · · · · · · · · · · · · · · ·
≥ 18000	14.7		55.	57.5		·7 • 3		57.3	57.		57.3	57.3	57.3	57.3	57.3	
≥ 16000	44.3		56.0	67.3		F7.3		57.3	57.7		57.3	57.3	57.3			57.3
≥ 14000	44.7	54.3	56.3	57.3	57.3		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	4: • 4	55.3	57.3	5d.7	58.7	9.	59.0	59.0	59.º	59.0	30.0	59.0	L & . Û	59.0	59.7	<u> </u>
≥ 10000	47.3	57.7	60.0	61.3	61.3	41.7	61.7	51.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	47.7	ິ8.ກ	60 • 3	61.7	61.7	62.0	62.0	62.0	62.7	62.0	62.	62.5	52.0	52.0	62.5	62.
≥ 8000	5.4	52.7	54.3	e5.7	56.0	46.7	56.7	56.7	56.7	50.7	55.7	66.7	64.7	65.7	E6.7	46.7
≥ 7000	• 2	62.3	64.7	65.0	66.3	67.0	67.0	57.5	67.C	67.0	67.0	57.U	57.0	67.0	E7.7	6.
≥ 6000	7.	64.0	64.3	67.7	55.7	69.0	69.0	69.0	69.0	59.3	50.11	69.E	59.0	69.0	69.7	69.0
≥ 5000		65.1	68.3	69.7	70.0	71.7	71.0	71.0	71.0	71.	71.3	71.0	71.0	71.0	71.0	71.5
≥ 4500	3.3	56.0	60.3	7^.7	71.5	72.J	72.3	72.1	72.7	72.0	72.0	72.0	77.0	72.7	72.0	77
≥ 4000	55.7	73.0	73.3	74.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	75.7	76.7	76.7	76.7
≥ 3500	3,2 . 7	72.7	7/.0	70.5	78.7	20.3	90.3	3 3	€0.3	R	8 . 3	83.3	€0.3	40.3	80.3	
≥ 3000	.2 • €	75.3	32.0	94.0	94.7	86.3	86.3	6.3	46.7	96.3	85.3	36.3	F6.3	86.3	36.3	50.3
≥ 2500		79.7	83.7	65.7	86 . 7	88.3	88.3	35.3	F 8 . 3	98.3	89.3	58.3	33.3	68.3	87.3	76.3
≥ 2000	.4.7	82.7	57.3	39.3	9:1.3	92.3	92.3	92.3	97.3	92.3	92.3	92.3	97.3	92.3	72.3	~ 2 · 3
≥ 1800	5.0	33.	87.7	89.7	97.7	92.7	92.7	92.7	92.7	92.7	02.7	72.7	92.7	72.7	97.7	92.7
≥ 1500	5.0	23.4	8/.7	89.7	97.7	92.7	93.0	73.7	43.7	93.7	97.7	43.7	93.7	93.7	93.7	93.7
≥ 1200	٠.٦	93.3	86.7	93	91.3	93.3	93.7	74.3	94.3	94.3	94.3	94.3	94	04.3	54.3	74.3
≥ 1000	15.0	94 . C	87.C	91.7	93.0	95.€	95.3	96.3	96.7	96.3	96.3	96. 3	96.3	\$6	96.3	96.3
≥ 900	5.5	34.3	80.3	97.0	97.3	≎5.7	96 . 7	< 7.7	97.7	97.7	97.7	97.7	97.7	97.7		07.7
≥ 800	5.0	44.3	84.3	92.0	93.3	25.7	96.5	°7.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	. 27.7
≥ 700	5.	-4.3	89.3	92.0	73.3	95.7	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	\$7.7
≥ 600	1.5 · *	24.7	85.7	92.3	94.7	06.0	96.3	98.0	98.0	98.0	98.0	98.0	98.0	98.	98.3	[9 8. 0]
≥ 500	c5.**	35.0	20.0	92.7	94.7	27.3	97.7	69.3	79.3	99.7	99.7	99.7		99.7	99.7	99.7
≥ 400	0.5 • 0	45.0	97.0	92.7	94 . "	27 . €	97.7	99.3	99.3	99.7	99.7	39.7				99.7
≥ 300	>5 • ?	95.C	90.0	92.7	94.0	97.0	97.7	39.3	99.8	99.7	59.7	99.7	99.7			
≥ 200	45.0	95.9	90.0	92.7	94.0		97.7	^9.3	99.3	99.7	-	-	-	99.7		
≥ 100	55.0	25.5	90.0	92.7	04.0		97.7							100.0		
≥ '0	45.0	25.0	90.0	92.7	94.0	97.0	97.7							100.0		

TOTAL NUMBER OF OSSERVATIONS

37

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			_				VIS	IBILITY (ST	ATUTE MIL	.ES)					-	
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	14.7	50.0	- 1	F4 . 3		6.0 65.7		15.7	1	53.3 55.0	38.3 66.3	66.0	_	56 . 2	54.3°	5.0 . 50 .
≥ 18000 ≥ 16000	4	60.1 80.1	63.7	5.4 . 5			· · ·			66.1 66.1	66.0	56.0 66.0			65.7	16.
≥ 14000 ≥ 12000	43.7 5.00	13.7		65.1	56.3	15.3	66.7	• •	56.7	67.1	67.	67.0	6.0	67.0	67.5	57.7 64.1
≥ 10000 ≥ 9000	1.7		68.5			i	70.3 70.7			72.7	71.7	77	71.7	75.7	77.7	7
≥ 8000 ≥ 7000	5. C	98.3 68.7	- 1	73 - F	74.3	74.3			74.	7".	75	71.	74.1	75	76.0	
≥ 6000 ≥ 5000	3 (•)	69.0	77.7	76.3	75.7	i i		75 • S	-		76.3	76.3	77.	75 -3	76.2	3/ • 3
≥ 4500 ≥ 4000	57.3 66.3		75.2	76.3		77.7		76.3	•	75.7		71.7	71.7	70.7	78.7	75.7
≥ 3500 ≥ 3000	1.5.1	74.7	71.7 62.7		45.4 36.7					27.7			87.7	07.7	83.7	57.5
≥ 2500 ≥ 2000		78.7	84.0		58.7 91.0		-	38.7	33.7°	8 3	47.3	92.3	19.5	92.3°	62.2	44 • °
≥ 1800 ≥ 1500	7.7		86.0 36.7		91.7		92.0		-	93.	57.3	93.0	97.7 13.0	92.3	97.3	97.3
≥ 1200 ≥ 1000	- I; a	12.0 12.3	37.3 57.7		92.3	^2.3 -3.0	93.3			94.5 75.0	•	94.0	\$4.5 \$5.0	9 4	94.1	94.1 93.0
≥ 900 ≥ 800	4 e	22.7 52.7	89.5 88.3	97.3			95.0 95.3	25.60 25.3		96.0	-		96.0		96.7	95.7
≥ 700 ≥ 600	4.0	02.7	88.3 86.7	91.0		74.3	96.7	17.0	A4 . 3	97.7	96.7	96.7	-6.7	06.7	96.7	9: 7
≥ 500 ≥ 400	(4.7	33.0 63.0	89.0 89.0	91.3	-	95.1	98.0	78.0	50.7	9:.7		99.7	3A.7	98.7	98.7	99.5
≥ 300 ≥ 200	4.	93.5	87.0 84.0	91.3	1	96.0 96.0	98.0 98.3	77.D	59.3	99.7	99.7	99.7	99.7		99.7	99.7
≥ 100 ≥ 0	. 4 .	43.7 43.7	89.3	91.3	95.0	96.0	98.0		00.3	99.7	09.7	99.7	99.7	00.0	20.0	100.0

TOTAL NUMBER OF DESERVATIONS

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7 1 HOURS IL S T

CEILING							VIS	IBILITY (ST	ATUTE MI	LES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ 1/3	≥ 5/16	≥ ′	≥ 0
NO CEILING	4	50.4	57.0	52.7		63.7	63.7	: 3 . 7	63.7	53.7	63.7	63.7	63.7	4.3.7	63.7	53.7
≥ 20000	• 1	54.7	66.7			58.7	65.7	65.7	63.7	68.7	63.7	64.7	52.7	68.7	35.7	69.7
≥ 18000	• ~	64.7	66.7	67.3	56.3	48.7	69.7	54.7	69.7	58.7	68.7	55.7	67.7	63.7	68.7	62.7
≥ 16000	7.0	44.7	66.7			48.7	68.7	48.7	64.7	56.7	68.7	6.5.7			69.7	58.7
≥ 14000		64.7	61.7	67.3	58.3	58.7	68.7	68.7	69.7	58.7	68.7	68.7	69.7	68.7	66.7	85.7
≥ 12000	1.7	55.7	67.7	£ 4 . 3		6.9.7	60.7	50.7	64.7			59.7			69.7	
≥ 10000	: 2 • 7	58.0	7 . 7	71.7		73.0	73.0	73.0	73.7	73.0	73.0					73.0
≥ 9000	٠, ٢	+	71.7	72.7	73.7	74 . U	74.0	74.0	74.3		74.0	74.0			74.5	740 [
≥ 8000		72.7	75.7			76 • d	78.0	70.0	73.0	78.0	1			1	78.	7 (• 6
≥ 7000		73.7	76.7	7506	73.5	79.3	79.3	79.5	79.3		70.3	79.3	70.3	79.3	79.3	75.3
≥ 6000	57.7	74.7	77.7	79.0	97.3	0.3	80.3	10.3	30.3			30.3	1		80.3	: ₹. • 3
≥ 5000	. 7	76.1	79.3	P . 7	91.7	72.	82.0	35.0	82.0			55.0	67.0		82.3	. <u>83.3</u>
≥ 4500	. 7	77.3	31.0	82.3	57.3	3.7	83.7	93.7	83.7	83.7		53.7	43.7	!	83.7	P 3 . 7
≥ 4000	_ <u>7 • 7</u>	70.	22.3	:40	35 . 7	25.2	85.3	~5.3	55.3	35.3		55.3	35.3	35.3	15.3	65.3
≥ 3500	1.1	79.7		45.7		7.	F7.0	1.7.5	37.0	37.3		87.		F7.	87.0	F7.7
> 3000		41.0	3 . 3	57.0		9.7	88.7	50.7	98.7			88.7	PF.7	98.7	89.7	<u>. 8 9 . 7</u>
≥ 2500		32.0	85.3			39.7		>0.0	ر • ر ق			90.0	90.0	90.0	90.€	. 5'.²u
≥ 2000	••			£4.0		→D.7	90.7	71.3	91.5			91.7	51.0	91.5	91.	. [1]
≥ 1800	4.	3.3 · J			1	າຕ•7	90.7	1.0	ែ១វ•Ω	91.0		01.		91.	- ?1 • ^	01.0
≥ 1500	. 4.7	R4 . 3	85.7		91.7	c3.0	72.0	:2.3	92.3	92.3	92.3	77.3	95.3	72.3	92.3	. 52.3
≥ 1200	u . T	(3" • i	31.0	, ,	2.7	92.7	73.0	·3.3		\$7.0	62.0	93.9	93.0	, 93.0	63.0
≥ 1000	4 . 7	85.	34.7	91.7	97.5	<u> </u>	94.3	34.7	34.7		94.7	94.7	44.7	04.7	94.7	04.7
≥ 900	- 12 • T		30.0	05.0		74.0	94.7	75.7	95.0						34.3	^5∙€
≥ 900			96.0	72.3		44.7	95.3	75.7	95.7	95.7				•	95.7	35.7
≥ 700	5.7	!	90.0	92.3	94.3	· 5 • ′	96.0	36.3	76.3	•		26.3		66.3	96.3	61.3
≥ 600	3.3	35.7	90.3	42.7	74.7	95.3			97.0							97.
≥ 500		~6.7	91.7	72.3	96.	-6.7	98.3	98.7	91.7						100	99.7
≥ 400	5.7	. 1 € • C		93.7		·7.0	98.7	39.3	29.3			99.7			99.7	C4.7
≥ 300	1501	16.5		53.7	96.3	47.	99.7	79.3					1	(99.7	99.7
≥ 200	: 57	75.0	91.3	93.7	96.3	27.0		79.3	99.3			99.7			99.7	
≥ 100	5.3	35.0	91.3	03.7	96 . 3	97.0		09.3	99.7	,		99.7	1 -	1		100.0
_ 0	5	26.L	91.3	93.7	76 - 3	77.0	98.7	29.3	79.3	99.3	99.7	99.7	99.7	99.7	99.7	tod.c

OTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

H

CEILING VERSUS VISIBILITY

1-151 (

CLEIVIER, IL

73-62

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILI*-G							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING	75 • S	49.8	,	54.0		5.3	55.0	45.9	55.0	56.2	56.2	56.2	55.2	56.2	55.2	56.2
≥ 20000	-2.1			" S . 3		50.0	60.6	50.7	60.7		61.1	51.1	51.1	61.1		
≥ 18000	7.7 • 1		54.6	-8.3	59.8	50.0	60 • 6	50.8	-	61.1	61.1	61.1	61.1	61.1	61.1	51.1
≥ 16000	42.1	53.6	56.6	5 t • 3	23.8	10.0	67.6	50.8	<u>€0.6</u>	61.1	61.1	61.1	61.1	51.1	61.1	11.1
14000 }	42.3	-4.1	56.9	55.6	60.0	50 • 4	61.0	*1.1	61.1	51.5	61.5	61.5	61.5	61.5	,	61.5
≥ 12000	43.2		58.2	େ•ପ	61.5	01.6	62.4	62.5	67.5		62.9	62.7	62.9	62.0	62.9	
≥ 10000	4″ . 3	55.1		63.3	- (65.1	65.8	45.9	65.7		66.7	56.3	66.3	66.3		66.3
≥ 9000	14 . E	58.5	61.7	53.3	65.3	55.7	66.3	46.4	36.9	56.8	66.3	66.8	66.8	66.5		65.0
≥ 8000	47.5	62.1	65.5	67.B	69.5	69.8	70.5	70 . 5	74	70.5	71.0	71.0	71.3			
≥ 7000	45.0	63.4	67.0	50.4	71.0	71.4	72.0	72.2	72.2	72.5	72.5	72.5	72.5	72.5		7.7.5
≥ 6000	. C 4		67.5	30.0	71.4	72.0	72.7	72.8		1	71.2	73.2	73.2	73.2		75.2
≥ 5000	_ • -3	35.5	67.4	71.9	73.7	74 - 1	74.5	74.9	74.9		75.3	75.3		75.3		
≥ 4500	-1.2	65.6			75.0	75.5	76.3	76.5	76.5	76.8	75.7	76.9	I	76.9	76.0	70.5
≥ 4000	7.4					78 - 1	79.5	79.3	79.3		79.7	79.7	79.7	72.7		
≥ 3500	3.5				79.5		81.1	81.5	31.5		81.5	81.8	E1.4	31.5		€1.46
≥ 3000	: 5.5				63.1	P3.8	84.8	95.1	95.1	65.5	85.5	85.5	75.65	45.5	25.5	
≥ 2500	56.3				- 1	15.7	86.3	37.1	37.1	87.5	87.5		37.5	P7.5		47,F
≥ 2000	57.	76.4				88 . 3	89.4	89.8	39.4	9.001	90.2		i	90.2	97.2	97,2
≥ 1800	5 7 . 2	76.8					93.5	90∙3	90.4	1	34.9					95.€
≥ 1500	38.1	77.6					91.2	41.7					65.5			72.7
≥ 1200	53.3	78.3	83.6				92.3			1						03.3
≥ 1000	1,1 . 4				91.5		93.9			94.9	95.0				95.0	95.0
≥ 900	20.5	,	1		92.2	ი3.1	94.5		,		95.7		1		95.8	95.6
≥ 800	76 · 5	79.2				73.A	95.3				36.5			96.6		95.6
≥ 700	56.5	- 1		89.5		34.1	95.7	96.3	1		97.0					97.0
≥ 400	J8 • 5			19.7	93.1	°4.3	96.0				97.3		97.4	97.4	97.4	
≥ 500	58.5						96.7	97.5			98.3)		98.4	
≥ 400	.5						97.0			98.7				98.8		
≥ 300	5 ° 6 5						97.1	98.2	98.3	99.0	90.1	99.2	99.3	99.3	99.3	,
≥ 300	13.5	79.5			97.8		97.2	00.3		99.1			99.3	99.4	99.5	09.5
≥ 100	5,7 6	40.6	85.6		93.8	1	97.2			99.1	- 1		_		99.6	99.8
≥ 100 ≥ 0	53.5	79.5	85.6	93.0	93.8	95.1	97.2	98.3	98.4	99.1	99.3	09.3	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2400

CEILING VERSUS VISIBILITY

but liet. It.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

≥ 3 ≥ 2% ≥ 10 ≥ 1% ≥ 1% ≥ 1 41. NO CEILING 57.4 57.4 57.4 57.4 ≥ 20000 56.1 6C-7 63-7 58.1 61.1 50.7 56.1 60.7 60.7 60.7 59.1 64.7 60.3 67.7 47.7 60.3 60.7 ≥ 14000 ≥ 12000 55.1 58.1 60.0 51.9 62.3 4.2 . 3 62.3 62.3 52.3 60.0 61.5 63.9 65. A 46.1 66.5 66.5 56.5 66.5 64.2 66.1 66.8 68.4 70.3 79.7 71.0 71.0 70.7 72.6 72.9 73.2 73.2 71.0 71.0 86.1 68.1 70.7 72.6 73.2 73.2 73.2 73.2 73.2 72.6 74.5 /4.2 75.2 75.2 75.5 77.7 78.1 78.4 78.4 73.2 75.2 76.1 79.4 81.3 84.2 79.0 31.6 04.8 87.7 28.1 88.4 53.4 88.4 88.4 62.3 P5.5 98.4 48.7 89.0 89.0 89. 89.0 89.0 32.6 85.8 99.5 91.0 92.3 92.6 87.7 91.0 88.4 91.6 95.2 75.2 95.7 95.2 95.2 95.2 96.5 6.5 46.5 96.5 24.3 88.4 71.6 95.2 96.5 96.5 96.5 56.5 96.5 A5.2 89.7 92.3 95.9 96.5 97.1 97.1 97.1 37.1 95.2 97.1 35.2 88.7 92.3 96.5 97.4 97.4 97.7 97.7 95.4 97.1 97.4 97.4 97.7 97.7 88.7 92.3 95.2 97.1 97.7 97.7 98.4 98.4 96.8 97.7 78.4 98.4 99.0 99.0 88.7 92.3 95.8 95.6 96.8 97.7 98.4 98.4 99.1 99.4 99.4 99.4 99.4 99.4 99.4 98.4 97.7 78.4 99.4 99.4 99.4 99.4 99.4 97.7 98.4 98.4 99.4 99.4 99.4

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

14.350 TERRORES 11.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) ≥ 2% ≥ 2 ≥ 1% | ≥ 1% | ≥ 1 5.3 56.3 56.7 57.7 NO CEILING ≥ 20000 AC.0 40.7 51.0 61.7 1.1.3 > 16000 54.4 56.5 57.7 59.4 69.4 69.7 69.7 61.9 61.0 61.0 61.9 61.9 61.7 51.0 55.8 59.4 56.1 59.4 59.7 69.7 69.7 61.3 61.3 61.9 67.3 62.3 62.3 62.3 5C. 3 57.3 53.6 54.9 65.7 66.1 65.5 66.8 67.4 67.7 67.7 67 1. 1 63.7 64.5 65.5 56.1 £7.4 67.7 68.4 67.1 66.1 67.1 69.4 70.7 71.0 71.5 72.3 72.6 73.2 73.6 73.6 60.4 7. . 3 71.9 73.2 73.0 74.5 74.6 75.7 75.6 75.1 76.1 60.7 71.6 73.2 74.5 74.6 75.8 75.1 76.5 77.1 77.4 77.4 71.5 73.5 75.2 76.5 77.1 78.1 79.4 78.7 79.4 79.7 79.7 76 . 7 74.9 77.1 79.7 80.0 40.7 81.9 42.5 42.6 43.2 63.6 71.07 83.7 35.2 87.1 47.7 84.0 17.7 91.3 91.7 91.3 17.7 1500 3.2 95.2 75.5 95.8 96.5 9 87.4 95.0 92.6 73.2 95.2 05.5 93.2 95.2 05.5 87. 4 90.0 22.6 05.5 95.8 96.5 900 800 34.5 87.4 57.0 92.6 73.9 95.8 96.1 76.5 97.1 97.4 97.4 74.2 97.1 77.4 97.7 98.4 96.7 96.7 24. 4 37.4 90.7 93. 24.6 87.4 90.7 93.7 93.9 95.8 34.6 87.4 90.7 93.5 94.2 97.1 93.9 54.5 97.4 97.7 98.1 98.7 1. 21.3 94.2 34.5 67.4 64.8 97.7 75.4 41.7 99.4 56.7 54.8 87.4 91.3 94.2 94.3 97.7 98.4 98.7 99.4 99.7 74.8 97.7 98.4 98.7 99.4 99.7 99.7100.01 91.3 94.2 58.4 98.7 99.4 99.7 99.7 99,4 59,7 59,71

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

200

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	_		_		•		VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ ¥	≥ %	≥ 1/3	≥ 5/16	≥ 1,	≥ 0
NO CEILING	5 • 1		41.1		1	1.9	52.3	# ? . Q	92.0	53.5	54.2	54.2	*4.7	54.2	54.2	54.5
≥ 20000		·	47.7			. 3.9	54.2	54.6	54.3	55.0	56.5	56.5	Seas	56.	55.5	55 .F.
≥ 18000 ≥ 16000	7.1	43.64 43.64	47.7	% 0 56.€8	1	33.9	54.? 54.2	4.8	54.5	55.6	54.5	36.5 56.5	56.5	56.5 56.5	56.5	
≥ 14000	.7.1	- 3 · A	47.7	50.3	53.7	:4.2	54.5	55.2	55.2	50.1	56.0	56.9	86 . F	56.8	56.0	5.7.1
≥ 12000		44.5	4 7	51.3	54 . 2	-5.2	55.5	F6.1	55.1	57.1	57.7	57.7	57.7	57.7	57.7	. 53.1
≥ 10000 ≥ 900 0	٠٤.	47.7	57.7	54.8	50.1	°9.5	59.4	3.ن.٠	6 °•0		61.6	61.6	61.6	61.5	61.5	£ 1 • G
2 7000	4		. (• 6	15.2	53.4	53.4	59.7	62.3	67.3	51.3	61.0	61.9	51.7	51.7	61.9	4
≥ 8000 > 7000	•	• 4				\$6.5	8.63		67.4	68.4	69.0	67.	63.0	59.0	69.7	1 59.4
	4		6 • 7	62.9		₹8.1	55.4	44.0	40.0	70.0	70.7		77.7	_	77.7	-11
≥ 6000 ≥ 5000	47.1		62.5	64.7		70.3	70.	71.6	71.0	71.9	72.4	72.6	72.6		72.6	72.9
	101	17.3 Ev. u	67.3	65.5	71.0	71.07	73.2	71.6	71.0	72.0	77.6	73.6	77.6	73.5	13.5	73.9
≥ 4500 > 4000				1 63 5		!		73.0		74.6	75.3	75.8	1	75 • •	75.8	76.1
		1	5201	71.3			74.3	75.5	75.5	76.5	77.4	77.4	77,4	77.4	77,4	77.7
≥ 3500 ≥ 3000			70 7	77.0	73 • 2 7 8 • 4		80.3	1.0	-	78.7	62.0	79.7	74.7	79.7: 72.9	70.7	83.5
- ·		5".4	73.6	77.1	81.6	3.2	53.6	24.5	64.5	35.5	96.5	~~~	 -	26.5	24.4	. <u>4</u>
≥ 2500 ≥ 2000		47.4	75.5	79.4	33.9	55.5	85.8	36.8		27.7	99.7	8A.7	00 7	10.5	90.7	
≥ 1800		62.7	75.8			25.8	36.1	7.1	27.1	89.1	60	39.5	89.D	- <u>5.7.9</u> 1.	1.e.25	. 67 et.
≥ 1800 ≥ 1500	1,1	71.	77.1	81.7		7.7	88.4	7.4	87.4	99.3		91.3	71.7	91.1	91.7	
≥ 1200	77	72.3	7:.0	62.3		29.	89.7	9 7	91.7	91.9		97.0	12.9	97.9	. <u>(.1</u> 67.9	93.2
≥ 1000	:, 7 💆	72.9	77.	152.9		40.3	91.3	72.3	42.6	93.€	04.5	94.5	94.4	34 K	64.5	9 4 6
≥ 900	7	72.7	79.7		 +	20.3	01.3	72.3	92.6	93.6	90.5	94.5	94.5	94 5	84.5	† ii i viiii Caa a P
≥ 800	57.7	72.0	79.5	97.9	89.4	91.7	91.7	73.2	93.6	94.5	95.5	95.5	98.5	95.5	95.5	95.0
≥ 700	11.7	72.0	79.0	12.6	88.4	51.6	91.9	43.2	73.6	04.8		95.8	95.5	95.3		
≥ 400	,	73.2	7	.3.2	83.7	01.3	92.3	03.6	97.9	95.2	96.3	96.8	36.8	96.8	96.3	97.1
≥ 500	7 . 7	73.7	79.4	81.6	87.0	71.5	97.6	74.2	94.5	35.8	97.4	97.4	97.4	97.4	97.4	47.7
≥ 400	57.7	73.2	73.4	53.6	82.	1.5	92.6	34.2	94.5	95.A	97.4	97.4	97.7	97.7	97.7	98.1
≥ 300	7	73.2	70.4	13.6	89.	91.6	92.9	74.5	94.8	96.1	97.7	97.7	98.1	98.1	98.7	
≥ 200	7.7	73.7	70.4	93.6	83.	91.6	92.9	94.5	95.2	96.5	98.1	95.1	94.4	98.4	99.0	
≥ 100	F 7 - 4	73.3	77.4	83.6	89.7	71.5	72.9	74.5	45.2	96.5	98.1	98.1	95.4		99.0	
≥ 0	7.7	73.2	74.4	*3.6	89.	71.5	92.9	94.5	95.7	96.5	98.1	96.1	94.4	98.4	99.0	100.0

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		_	-				VI	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/5	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5-16	≥ .	₹ 0
NO CEILING	-	43.7		45.5	Q , 7 , 10	49.5	47.4	40.7	50.0	-	13.5	50.0	3 / P	10.3		•
≥ 20000		4 - 1			53.2	73.7	54.2	4.5		54.5	54.8	. 4 . 0	75.7	35.7	<u> </u>	·
≥ 18000	13.7	4: • 4	49.7	71.0	53.6	4 . 2		54.5	55.7	-5.2	55.2	55.2	55.5	55	5.5.5	55.5
≥ 16000	. 3 . 1	· · · · · · · · · · · · · · · · · · ·	49.7	11.0	53.6	4.2	54.5	54.5	<u> </u>	55.0	55.7	75.2	16.6	. <u>. 5</u>	<u> 55.5</u>	<u>. 59 • 5</u>
≥ 14000	13.	49.5	5 ~ 7	51.9	54.5	55 - 2	55.5	55.8	56.1	55.1	5 1	56.1	62.6	56.5	56.5	5 6 a 5
≥ 12000	35	_10 • ∪	51.	53.2	55.8	<u> </u>	56.8	7.1	57.4	57.4	57.4	57.4	> 7 . 7	57.7	57.7	57.7
≥ 10000	75.	52.3	54.2	59.6	50.4	39 . J	59.4	59.7	5 3	63.5	66.7	50.0	63.7	66.05	55.3	* * * T
≥ 9000	''•		54.2	55.8	58.4	19.0	50.4	50.7	ఖ2•గ	600	60.0	<u> 50.3</u>	17.3	50.3	67.3	. 5
≥ 8000	7 . 4	57.1	33.0	7-1 - U	54 . "	55.5	66.5	46.8	67.1	47.1	67.1	67.1	67.4	67.4	67.4	67.4
≥ 7000	35. • 7	57.7	6 .0	61.4	65.5	46.5	67.4	67.7	68.1	55.1	68.1	66.1	A 4	65.4	68.4	69.6
≥ 6000	1.	50.7	62.0	64.0	60.4	69.4	70.3	70.7	71.0	71.0	71.0	71.0	71.5	71.3	71.3	71.3
≥ 5000	+ `	67.9	65.2	67.1	7 : . 7	71.6	72.5	72.9	73.0	77.2	72.2	73.2	17.6	73.0	73.6	73.9
> 4500	. 4	63.4	05.1	50.1	71.€	72.5	73.5	73.9	74.2	74.2	74.2	74.2	74.5	74.5	79.5	74.0
≥ 4000	4" . "	55.3	67.7	e 9.7	73.2	74.2	75.2	75.5	75.8	75.8	75.2	75 . 8	76.1	76 . 1	76.1	6
> 3500	47.1	67.1	77.3	72.5	75.0	75.0	77.7	78.1	70.4	75.4	78.4	78.4	74.7	79.7	7 = . 7	74
≥ 3000	1.0	71.7	75.2	77.4	81.3	52.3	53.2	73.6	0.10	83.9	63.9	83.5	40.2	84.2	54.2	A4.5
≥ 2500	2.6	73.5	77.1	73.4	83.2	24.2	55.2	95.5	85.9	85.8	85.8	85.8	54.1	36.1	86.1	86.5
≥ 2000	13.6	75.2	78.4	P.D . 7	84.5	-5.2	96.5	26.8	37.1	37.1	A7.2	37.1	27.4	67.4	37.4	47.7
≥ 1800	7.3.	75.5	73.7	R1.D	84.5	55.8	96.8	77.1	:7.4	P7.4	67.4	87.4	07.7	27.7	57.7	
≥ 1500	.4.5	75.1	79.4	81.9	86.5	27.7	88.7	20.C	80.4	59.4	87.4	33.4	22.7	49.7	89.7	0
≥ 1200	7.4 .	6.5	70.7	82.3	87.1	28.4	87.4	19.7	9.1.0		97.0	20.0	90.3	* S . *	90.3	3~ 7
≥ 1000	.5.2	77.7	92.3	34.8	69.7	91.3	92.3	17.6	97.9	92.0	97.91	92.9	97.2	13.2	93.7	93.9
≥ 900	.5.3	78.4	82.0	F5.8	91.3	25.0	94.5	24.8	95.2	76.07	95.2	95.2	95,5	45.5	75.5	26.1
≥ 800	.5.2	78.7	83.2	P6 - 1	91.5	93.2	94.9	1 15.5	3.50		QT.A	95.8	96.1	96.1	95.1	26.4
≥ 700	15.7	79.0	83.0	05.8	97.3	94.2	95.8	76.8		97.1	57.1	97.1		77.4	97.4	99.1
≥ 600	.5	79.6	83.9	96.8	92.6	04.5	96.1	27.4	1	27.7	97.7	97.7	90.1	98.1	98.1	C 4 . 7
≥ 500	5.5	79.0		86.3	92.6	:4.3	56.5	28.1	98.4	01.4	98.4	93.4	C0.7		98.7	39.4
≥ 400	15.2	79.	81.9	86.8	97.6	CHER	96.5	68.1	98.4	- 1	98.7	98.7		99.0		39.7
≥ 300	F.,	77.7	A 3. 9		92.6	44.6	96.5	28.1	98.4		32.7	98.7		99.5		
≥ 200	5.7	7%	83.9		92.6	14.8		98.1	78.4				, -	99.0		
≥ 100	5.1	713.	83.9	56.8							93.7			99.3		
≥ 100	15		83.9				96.5				93.7			99.6		

1

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	HBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ 1/2	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	34. • 4	45.1				47.1 52.5	47.4 53.2	47.4 3.2		47.4	47.4 53.2	47.4	47.4	47.4 53.2	47.4	47.4 53.7
≥ 18000 ≥ 16000	, . ti		51.°	52.6 52.6	,	3.0		43.9 93.9	57.9	53.9 57.9	53.9	53.9 53.9	57,6	57.9	53.5	51.0
≥ 14000 ≥ 12000	. υ . υ		ა ₹• ₹ 54•2	52.9 54.8	53.0		*4.2 56.1	54.2 5.1	54.2 51.1	54.2 50.1	54.2 56.1	54.2 56.1	54.2 55.1	14.2 25.1	24.2 .56.1	54.5 15.1
≥ 10000 ≥ 9000	-1.1 -2.3	7.4	54.7 51.4	59.4 60.0		.102	51.5	51.7 61.7	51.°	51.5	61." 61.3	(1.3 51.9	01.0 61.0	51.0 61.0	51. 1 61. 7	11. 2. 4. 4.
≥ 8000 ≥ 7000	3 5 5	-1.	5 1.0 5 2.6	44.2	64 .# 65 .5	45.7 €0.8	45.5 56.1	45.E	65.5 66.1	65.5. 56.1	55.5 55.1	65.5	65.8 65.1	65.5 66.1	65.5 <u>66.1</u>	41.5 16.1
≥ 6000 ≥ 5000	44.	61.9	·	54 . A	65.1 59.7	59.4	57.1 69.7	67.1 59.7	67.1	67.1	67.1	67.1	57.1 57.7	67.1	67.1 59.7	67.1 67.1
≥ 4500 ≥ 4000	,7 . 9 15 . 7		67.4	60.4	69.4	71.5	70.3	72.3	77.7	7.03	7:03	75.3	70.3 70.3	70.7	73•? 72•\$	7
≥ 3500 ≥ 3000	7.5 • C	75.4 75.5		70.7 79.7	77.7		73.5 53.2	73.6 3.7	73,6	73. K	73.5 23.2	71.6	77.4	73.5	73.6 <u>23.2</u>	77. 30.2
≥ 2500 ≥ 2000	1.	10.1 11.3		8∠•9 5•2	_ ~	8.4	26.7	66.8 #9.7	24.0	89.7	96.7	36.9 80.7	- 85.5 <u>- 83.</u> 7	96.8 29.7.	66.€ 69.7.	29.1
≥ 1800 ≥ 1500	1.	21.6		75.5 88.4	97.7	- 1	90.7	0.7 5.8	20.7 63.5	95.7 93.0	აი.7 . <u>23•С</u>	90.7 <u>93.6</u>	27.5	. 95.7 . 23.6	90•7 93•9.	۲۲
≥ 1200 ≥ 1000	. 4	75.5	50.4 87.4	39.7 91.6	72.1		95.2 76.3	25.2		97.1	95.2	95.2	27.3	35.2 <u>97.1</u>	95.2 9 <u>7</u> .1	27.1
≥ 900 ≥ 800	4.07 4.07	25.1 35.5			73.6	25.2 76.1	96.8 98.1	07.1 08.4	97.1 93.4		97.1 58.4	97.1	07.1	99.4	97.1	07.1 Me32
≥ 700 ≥ 600	· 4 • 2	06.1 25.1	3°.7	91.3	94.5	7.1	99.4	99.7	1	39.7	99.7 100.0		34.7	59.7	99.7 0 <u>.00</u> 1	175.7
≥ 500 ≥ 400	4	5.1	89.7 84.7	91.3	74.5 74.5	7.4	-	100.0			100.5 100.0		20.0	00.6	100.0	20.0
≥ 300 ≥ 200	· 4 . ?	6.1	89.7		94.5	97.4			107.0	100.0	លេខ ១០	100.0		30.0	100.0	100.0
≥ 100 ≥ 0	9.5	86.1	87.7		74 . E	7.4	, -	I						100.0		r

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ ויו	≥ 1'2	≥ 1	2 %	2 %	≥ %	≥ 5 16	≥ '.	≥ 0
NO CEILING ≥ 20000	•	43.6	54.e	70.1	<u> </u>	ी • : 30 • 1	56 • 3 56 • 3	رق و رشورد	34.	50 • J	5.00	· • · · · ·	. 3 . 1. 6 - 4		ا ا ا ا ا ا ا	•
≥ 18000 ≥ 16000	•		54.5	5: • 1 • (• 1		່ນ. 'ຫຼຸ	58.8 58.5	ر ج د ه	+ A • ° 5 5 •	50.00 25.00	ام جو دا د دون	Σε•π. 26•π.	70.00 77.00	56. 55.**	56	1 1 4 2 10 4 5
≥ 14000 ≥ 12000	-3.	64.2°	57.4	50.0	61.0	7.1	57.1 60.	7.1	57.3	57.1	57.1	57•1 67•1	• 1	17.1 FG.	7.1	7 , ì
≥ 10000 ≥ 9000		2.	6 . 6	1. 3 • 3 1.5 • 1	56.5	10.1	504.1	5.01 5.02	26.41 66.6	50.01	1.6.1 Co.5	(**) 45.5	5- • 1 	6.1 66.5	55 . t	3.1 21.1
≥ 8000 ≥ 7000	1.	50.1 57.7	67.1	7:07	71.6	71.5	71.7	21.5		67.7 71.1	85.7 71.4	71.0	71.0	71.0	64.7 71.0	11.4
≥ 6000 ≥ 5000	3.	67.7	6 ° • ° 7	71.4	71.5	71.9	71.0		71.0	7 .4	71.	71.9	71.9	71.7	71.9	77.0
≥ 4500 ≥ 4000	4	8	7 .7	75.9	74.7	70.1	74.2	7 1	74.7	7 .1	74.7	74.7	7 . 1	7: •1	74.2	74.0
≥ 3500 ≥ 3000	• 7	75.1	7/.0	36.4	40.7 HE.5	5.0	80.7 85.5	-5.5	(\.T	5 .7	8 .7 85.5	2 7	, , , ,		3 \	
≥ 2500 ≥ 2000	\ 4 • ·	1.7	37.9 F6.7	5.7	37.4	7.4 27.7	37.4	7.4	37.8 87.7	57.4 F=.7	57.4	27.4	67.4	7.4	17.4 E' .7	
≥ 1800 ≥ 1500	7.7	73.6 06.1	37.5	92.6	° . 7	33.5	50.1	- 3.7.	37.7 37.6	90.7	97.9	93.7	168. - 137. 6	99.7 95.9	30.7 91.5	
≥ 1200 ≥ 1000	• !	. i	ઇ ર ૄ ધ છુક્	97.5		44.1 33.9	94.2	94.2 95.5	94.7	74.5 95.8	94.4 95.4	04.5 66.0	98.5 9.45	24.5 65.1	94.5 25.6	34.1 65.0
≥ 900 ≥ 800	• 4	7.1	85.0 87.5	93.2	08,6 98.6	5.	45.8 95.5	19.5 48.5	96 . 1 26 . 2	90.1	96.5 97.1	°6.5	`€₹,€ 27 .1	96.6 97.1	77.1	90
≥ 700 ≥ 600	4.5	7.4	90.5 0.10	34.2	74.8 55.6	98.1 98.1	98.1	· 1	95.4 93.4	99.0	40.1	99.0 99.0	ିବସ୍କିନ ସମ୍କୁନ	09.00	ς α	39. 59.
≥ 500 ≥ 400	. 4		3° • '1	94.7	1	78.4 78.4	95.4	٠-	95.5	79.4	49.4	99.4	97.4 99.7	59.4 59.7	7.95	ີ່ (ີ u ແດ່. "
≥ 300 ≥ 200	. 4		9 . 7	94.5	1 1	8.4		19.0	ξο, η. η ς , μ	9 . 7 1 B	99.7 100.0	99.7	99.7	29.7	93.7 100.0	۰.په ۱۵۷۰:
≥ 100 ≥ 0				74.5	1	78.7				1 33 • C	0.00	(ac.a)	150.0		100.0	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 115	≥ 11.	≥ 1	<u> </u>	≥ 4,	≥ _′ ,	≥ 5 16	≥ '.	≥ 0
NO CEILING ≥ 20000		7.!	4 .1	5 . i	45.4 55.2	10.0 10.1	30.3	·		5 • S	2	7 .	7 . 2 5			
≥ 18000 ≥ 16000	•	1.	\$ %. U	53.€ 53.5	55.5 13.5	(6.6) (6.6)	54.1 55.0	7 e !	7/.0		61 57 e	50.3 50.5		50.00 56.00	50.1 50.1	
≥ 14000 ≥ 12000	14 o .	-1.	5 (• · ·	53.9 54.5		7,4	57.1 57.7	7.7	37.1	77.1 17.7	57.1 :7.7	57.7.	17.7	67.1 17.1	07.; <u>57.</u> 1.	
≥ 10000 ≥ 9000		· (•)	5 • 4 5 • • •	50.4 70.4		1.7	1.6	1.0>		61.6	1.5	01.6	() • (() • 5	1. 	1.4	
≥ 8000 ≥ 7000	, ·	5.2 25.2	5 7	• • • • • • • • • • • • • • • • • • • •	71.0	7.4 11.4	57.7 77.3	77.	7.7.	60.7	09.7 77.1	60.7 73.5	77.5	13.3 <u>72.5</u>		7.4
≥ 6000 ≥ 5000		• • • • • • • • • • • • • • • • • • • •	71.	%∴.7 71.6	71.7	12.1	77.43 78.5	*****	-	7 ? • •	72.0 75.6		77.6	. 25 •∴. . 25 •∴.	77.5 75.5	
≥ 4500 ≥ 4000	•			77.6	75.07	75.1	76.5	7: • 7	75.0	9 .7	75.	76.5 57.		79.5	76.5 ⊴"•"	
≥ 3500 ≥ 3000	4.	75.	7:.7	7	+2.€: <u>16.€1</u>	7.4	3.4	~4.6 3.1)	. 4.	5 . 1.	- 11 • 5	· · · · ·			
≥ 2500 ≥ 2000	4.0	74	3 5	. 5 . 2	25.1 97.1	19.4	95.3 97.9		· • • • • • • • • • • • • • • • • • • •	ر. <u>بنده ک</u> ی	7 22.1.	^ 	. 11 .			. 7 1
≥ 1800 ≥ 1500		i. <u>i</u>	. S • •	3. 3 • 1 1 • • 1		?•3 •••,	5 ₹ • f	<u>. 6</u> .		*	- 3•2 . 5 <u>-</u> •3.	e 3, 7		4•6 . 5°, €.	93.6 97.6	•
≥ 1200 ≥ 1000	• 7	n. 13•1	37.1	• • •	93.0 23.6	5.5	34.5	ે કેર્કે. . ^ત ેર <u>∗તે</u> .		. <u> </u>	27.1.	. 5. 5. <u>≥7</u> • 1.	.1	. 27•4.	07.1	7.1
≥ 900 ≥ 800	•	•) • ,	<u> </u>	71.3 7.).7			97.1	7.1	- 7 • 1 - 7 • •	97.1	? . . ? . <u>. 1</u> .	~7.4 ~;•1.	"• i	7. 1.1.	37 · ·	3 3 . 4 2 . 2 . 2 . 2
≥ 700 ≥ 600	•	3.	\$ • ·	7	4.0	6.	97.1	~•1. ~•1.	C .	9.01	95.4 17.4	5 - 4 5 - 4	7 . 4 7 . 4	2.• <u>.</u> 2.• <u>.</u> .	٠٠٠ • • عد	. ^ •
≥ 500 ≥ 400		+	B . 4	·	74.	7.1	91.4 91.4	. u	4		. * : • 7 . * ! • ! •	9-1		. <u> </u>	30.1	
≥ 300 ≥ 200			F . L	11.	^4 •	7.4	90.7	7	J 7	0,04	69.7 2 7.44	9.7	7 . 7 2 . 7	70.5	9 9.7 <u>59.5</u>	1.1 4.524 4.524
≥ 100 ≥ 0			8' . ii	41•C	! թայլ 5-1 -այլ 6-1-1		74.7 71.7		75.7	99.4 93.4		(21.03) (30.01)	10•0 10•0		100.5 100.0	10.00 100.0

TOTAL NUMBER OF OBSERVATIONS

411

. 48

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	SIBILITY (ST	ATUTE MIL	.ES)	-					
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/3	≥ 114	≥ 1	≥ 34,	≥ %	≥ ⅓	≥ 5/16	≥ ′.	≥ 0
NO CEILING ≥ 20000	1.0	1.6	50.1	57.6 50.1	5स.? 52.7			4 . 7		54.2 54.7		54.2	57.7	54.2	52,7	••.
≥ 18000 ≥ 16000	सह•। ५५•।	5.	57.1	59.0	50.7		59.7		43.7	59.7	50.7 53.7	59.7	50.7	59.7	59.7	ر. د
≥ 14000 ≥ 12000	47.1	6.1	57.4	59.4 40.7	5 .	40.3	60.0 61.3	មម េខ ក ្ ខេទី	ed•7 ∿i•7	50.5 51.3					61.	(C.)
≥ 10000 ≥ 9000	4 · . ·	67	6 ? 5? . ?!	41.2		:4.5 :5.1	84.8 56.1	59.8 66.1		64.6 64.1	66.2 50.1		64.8	54.5	66.1	66.2
≥ 8000 ≥ 7000		173.	6 • 1 71• £	73.3		71.7	71.7	71.6			71.6	71.5	71.6	71.e 75.2	71.6	71.0
≥ 6000 ≥ 5000		71.	72.5			77.8	75.3	76 • 1 77 • 7		70.1		75.1 77.7	77.7	76.1	76.1	75.1
≥ 4500 ≥ 4000	1.7	73.7 71.65	70.0		_	70.	77.	79.7		79.7		77.7 97.3	70.7	70.7	77.7	70.7
≥ 3500 ≥ 3000	2	77.1 50.1	93.3	02.eb		3.0			•	54.2 57.1		:4.2		67.1	54.7	7.1
≥ 2500 ≥ 2000	5	13.6	80.5		99.3			1.0		91.	e		18.4 "1.6	38.4	38.4 91.3	91.1
≥ 1800 ≥ 1500	6 ' = 1 6 7 = 4	5.3	3	90.3 91.9		1.6	91.6	2.3		70.3 73.7		-	27.6	93.9	93.0	77.3 33.9
≥ 1200 ≥ 1000	7.7.7	79.1	9 . 7	92.4					95.0 95.3	95.2 95.€	01.1 91.1		95.2	95.0	95.2 95.8	9.00
≥ 900 ≥ 800		36.1 36.1		73.6		°6.1 ∀6.3	96.1	76.3 77.1	_	об.я 97.1		90.9	75.1 97.1	96.8	96.8	36.8 97.1
≥ 700 ≥ 600	-, 1 - 7	fiel ft.l	90.3 90.3	93.9		96.5 96.5		77.1 77.7		91.4	93.4	. •	97.4 48.1	97.4 98.1	97.4 94.1	47.4
≥ 500 ≥ 400	1,7.7	86.5 Se.5		24.5 24.5	96 • 5 96 • 3	97.7 98.1		98.7			99.0 99.4		1 -			99.5
≥ 300 ≥ 200	6.7.7	36.5	9".7		97.1	6 . 4 6 . 4		1 '			99.7	- '				
≥ 100 ≥ 0		1.6.5				E . 4		09.4			90.7		7		1	

TOTAL NUMBER OF OSSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) (FEET) NO CEILING 52.3 ≥ 20000 67.2 57.3 57.5 57.0 6.7 57.0 ≥ 14000 ≥ 12000 63.1 (3.3) 43.6 63.5 63.7 ≥ 10000 ≥ 9000 8.6 60.5 9.2 57. ≥ 8000 ≥ 7000 70 . 7 71.5 71.7 77.6 77.7 72.6 45.7 67.7 (9.3 71.5 72.0 72.4 ≥ 6000 ≥ 5000 74.4 74.6 74.7 74.7 71.5 73.4 74. 74.9 75.4 75.5 76.1 76.7 75.4 76.5 77.1 79.6 51.2 80.7 41.4 54.0 44.7 95.2 71.7 51.1 81.3 75.4 25.5 35.7 31.4 81.4 81.5 55.0 85.9 P5.0 91.5 81.1 23.3 85.9 83.2 23.5 20.2 33.6 26.1 88. 57.5 3.3 85.9 85.6 27.2 17.5 ≥ 2500 ≥ 2000 47.5 87.9 9 .1 05. 33.7 37.6 1.1 21.1 90.6 91.7 9.09 9.6 90.3 21. 7 Fr. C F7.6 90.6 91.4 92.2 93.4 03.7 3.0 94.1 94.3 94.0 75.2 55.4 55.6 95.5 71.7 92. 1000 PR.8 93.2 44.4 05.4 05.0 96.1 20.4 36.8 90.5 97. 75.7 96.6 37.1 97.2 97.6 97.8 700 600 06.3 97.3 97.9 98.1 99.

19.3 98.5 99.1

3 . 2 37 . 4 7 . 7 94 . 4 26 . 3 97 . 6 98 . 3 98 . 5 99 . 1 99 . 4 99 . 4 99 . 6 99 . 6 99 . 6

96.1 97.4

77.6

34.4 36.3 47.5 94.4 96.3 97.5

6.

TOTAL NUMBER OF OBSERVATIONS

99.4 99.4 99.6 99.6

99.2 99.2

99.4 99.4

2480

CEILING VERSUS VISIBILITY

THE STEP IL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	,						VIS	HBILITY (ST	ATUTE MH	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ′.	≥ 0
NO CEILING	33.	47.7	4	41.7		42.J	47.3	4″•3	4 7 . 7	47.05		42.3	ı	1		ts } . "
≥ 20000	• *		44.	4).0		45.3		45.7	25.7	45.7				45.7		4 .
≥ 18000 ≥ 16000		44.	44.	4 (.); 4 5 • ()	45.7	45.3 45.3	45.7	45.7	46.7	-	45.7		45.7	45.7	45.7 45.7	45.2
		11 4 . 7	44.	4 3	45.7	45.7	46.0	40.0		43	46.6	45.0			45.7	46.7
≥ 14000 ≥ 12000		4 3 3	4 - 3	45.3		-5.7	47.	47.0	47.5	47.	47.0	47.3			47.7	47.7
≥ 10000	7 ?	47	47.3	10.3		50.7	51.0	1.	11.	51.	51.	51.0	71.7	11.	51.5	51.7
≥ 9000		49.0	4 / . 7	** . 7	51.0	1.6	51.3	1.3	41.3	51.3	51.3	51.3	51.3	51.3	51.3	
≥ 8000		75.0	19.3	50.7	57.7	·7.7	58.0	70.0	56.5	54.J	54.0	5	4° "	54.7	54.7	5.2.7
≥ 7000	- 4 J • 2	56.7	57.	50.3	< ', . ?	9.3	59.7	03.7	59.7	59.7	50.7	59.7	69.7	56.7	23.3	4.00
≥ 6000	· 4 a	47.0	57.7	54.7	55.7	19.7	60.0	50 €	6) • "	6000	67.0	€8,0	50.0	56.3	61.3	4 3 . 7
≥ 5000	45.3	50.3	50.7	61.5	€2.0	52.C	52.3	62.3	36.5	42.5	42.3	67.3	62.3	42.3	52.3	43.7
≥ 4500	10.00	15 G . 7	61.	52.3	63.3	N3.3	63.7	63.7	63.7	53.7	67.7	63.7	F3.7	63.7	63.7	* 44 . T
≥ 4000	46.7	1.2.7	53.0	(4.3	65.3	65.3	65.7	95.7	65.7	6 ?	65.7	65.7	65.7	. 45 • <u>7</u>	£5.7	46.3
≥ 3500		26.7	67.0	63.7	59.7	59.7	71.5	70 . 12	70.7	70.5	70.	75.0	751 . 17	73.0	70.5	70.7
≥ 3000	1.7	70.0	70.3	73.0	73.0	13.1	73.3	73.3	73.3	73.3	73.3	73.3	73.7	73.2	7 7 . 3	74.0
≥ 2500	F . 3	73.0	73.7	75.3	76.3	76.3	75.7	77.0	77.7	77.0	<u> </u>	77.0	77.00	77.	77.7	77.7
≥ 2000	7	75.3	7	51.0	32.0	12.3	H2.7	13.0	35.0	93.0	83.4	53.0	27.00	. ∓3 . 2	53.0	73.7
≥ 1800	5 7	77.	77.7	21.7	9:.7	. 2.0	03.3	57.7	23.7	63.7	83.7	23.7	R 3 . 7	93.7	`ā3.7	P4.3
≥ 1500	2 7	80.7	82.0	75.0	56.3	ಿರ•7	87.	7.3	37.3	27.3	57.3	87.3	67.3	27.7	87.3	₽ A
≥ 1200	7.7	-1.7	83.7	80.3	87.7	*8 · ·	32.3	~9.7	8 E . 7	88.7	85.7	8 F . 7	25.7	58.7	8 . 7	90.3
≥ 1000	7.0	33.	55.7	98.3	9 .7	1.	92.0	·2.3	92.3	32.3	¥2.7	32.3	12.7	92.3	92.3	03.1
≥ 900		23.	45.7	89.3	91.3	01.	72.	0.3	97.5	42.5	42.3	97.3	47.3	97	32.1	` c 7 . ^
≥ 800		7 • 5	85.€	≠9. j	91.3	^2•^	93.3	~3.7	93.7	73.7	97.7	93.7	53.7	93.7	23.7	94.7
≥ 700	- 7 . ⊓	3.7	95.3	33.7	92.7	3.3	34.7	25.3	25.3	95.03	75.3	95.3	C. E. B. S.	45.3	95.3	0.0
≥ 600	7.7 ⋅€	ນ 3 ⊕ ?	3 c • 7	37.7	92.7	. 3 . 3	94.7	25.3	95.3	96.1	56.0	96.0	76.7	36.0	36.	C 4 . 7
≥ 500	·,7 • ^	84.1	66.7	?ો•∄		3.7	\$5.7			,	97.0		97.0	_	67.	97.7
≥ 400	17.0	40.	A 7	e0.•0		24.5	96.3			97.3	$\overline{}$		97.3		97.3	
≥ 300		7. W	34.7	9. •0		94.€	96.0			98.3		98.3	, -	1	98.3	60.
≥ 200	, ,	- 4	85.7	90.0		74.0	96.3		97.7	95.7			99.7		98.7	68.3
≥ 100	7 •	24 .	04.7	30.0		04.0	26.3		-	98.7		-	1	99.0		
≥ 0	•	°4.	· 6.7	50.0	93.7	94.0	96.3	27.3	97.7	98.7	95.7	98.7	60.0	99.0	94.3	120.5

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	LES)						-
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/5	≥ 11/4	≥ 1	≥ ¾	≥ %	≥ 1/2	≥ 5/16	≥ '.	≥ 0
NO CEILING ≥ 20000	33.3	19.4 42.7	. • .	41.3		42.7	43.C		43.7	43.3		43.7		43.7		
≥ 18000 ≥ 16000	3		. 7	-	46.1	46.1	46.7	40.7		47.0	47.3		47.8	47.3	47.3	47.3
≥ 14000 ≥ 12000	35.7		44.7	46.0	46.7	46.7	47.3	47.3	47.7		48.0	48.0		48.0	48.7	43.3
≥ 10000 ≥ 9000	38.7				52.0		52.7 54.0	52.7 34.0		53.0	57.3	53.3	53.5	53.3		13.3
≥ 8000 ≥ 7000	42.7		57.7		59.7	39.7	60.3		61.0	51.5	61.3	61.3	61.3		61.3	61.7
≥ 6000 ≥ 5000	45.3	56.3	57.7	59.3	61."	51.0	61.7	40.0 65.0	62.7	62.3	62.7		67.7		62.7	62.7
≥ 4500 ≥ 4000	45.3		5 7		64.0	64.3	64.7	65.0	65.7		65.7		(. 7		65.7	45.7
≥ 3500 ≥ 3000	5 t • 7	61.0	62.3		56 . C		67.3 71.3	1.7.3 71.7	67.7	67.7		63.6	6	50.3 72.3	68.0	£4.0
≥ 2500 ≥ 2000		4 d • 3		72.7	74 - 3	74 . 3		76.3	76.07		77	77.0	77.0	77.3	•	77.
≥ 1800 ≥ 1500		73.7		73.5		40.0	41.3	^2.0	32.3		62.7	82.7	E7.7	, 	82.7	. 14. <u>4.2</u> . 9.2.7
≥ 1200 ≥ 1000	3.7	76.7			54.7	*5.	86.7 57.7	57.3		87.7	89.0	88.0		20.5	88.3	. <u>5</u> 3 8 4 1 8 6 4
≥ 900 ≥ 800	3.	77.7	81.3	15.7	85.	·8.3		71.3	01.3	92.	92.5	92.3		3:03	<u>80 • 1</u> 97 • ₹	<u> </u>
≥ 700 ≥ 600	3.5	78.0		A5.3		99.7	92.3	93.0	93.3	92.3	94.7	94.7	94.7			94.7
≥ 500 ≥ 400	3.3	78.0	37.3 83.0		89.7	°0.3	00.0	~4.7	75.7	96.0	96.7	96.7		97.0		
≥ 300 ≥ 200	3 - 3	78.3	33.3	97.0	90.7	1.3	95.0 95.0	25.7	56.0	97.3 97.3	98.0	98.0			1	C 9 . 3
≥ 100 ≥ 0	3.3	75.3	83.3	87.7	90.7	71.3	95.	76 • C	96.8	97.7	99.7	99.0	59.3	69.3	99.7	09.7

TELL TELL, IL

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	2 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ′₀	≥ 0
NO CEILING ≥ 20000	₹ 7	70 . 7 30 . 7	33.7	4".3	4U.7	41.7	45.0	41.7 5 . C	41.7	41.7	1	41.7	41.7	41.7	42,	40.0 45.3
≥ 18000 ≥ 16000	7 7.	39.7		43.3	43.3	44.3	45.	45.0 45.0	43.0	05.0 43.0	45.0	45.0	45.0 45.0	45.0 45.0	45.3	45.3
≥ 14000 ≥ 12000	30.7 30.7	77.7 40.0		43.3	43.3	L	45.3	45.0 45.3	45.0	45.3	45.7	45.3	45.7	45.3	45.7	45.5
≥ 10000 ≥ 9000	32.7	42.7		46.7	46.7	47.7	48.3	44.3	49.3	49.3	40.3	48.3			42.7 47.7	42.7
≥ 8000 ≥ 7000	- 1	43.0 50.0	\$1.0 57.0	53.D	53.3	54 • 3 56 • 3	(55.D	55.0 57.3	55.5			55.0	55.0		F7.7
≥ 6000 ≥ 5000	11.	1.7	57.7	56.7 59.7	57 • * 59 • 7	58 . 3 45 . 7	59.3	61.7	50. T	59.3		52.3	59.3	59.3 61.7	57.7 62.0	59.7 62.0
≥ 4500 ≥ 4000	1.3	50.7	57.7	61.3	67.7 \$2.7	61.7	62.7	A2.7	67.7	62.7	42.7 64.0	62.7	67.7	52.7 64.0	63.7	(3.0 64.3
≥ 3500 ≥ 3000	45.7		61.0 65.3	64.D	65.	46.0 10.7	67.7 71.7	- 1	67.5	61.0	67.0 71.7	67.0 71.7		47.0 71.7	67.3	67.7
≥ 2500 ≥ 2000	4/.5	65.3	62.7 72.3	71 • 7 75 • 3	72.7	74.3	75.3 80.3	75.3 -0.7	75.7	75.3	75.3 87.7	75.3 50.7		75.7	75.7	75.7
≥ 1800 ≥ 1500	47.07	59 . 7. 70 . 7	72.7 75.0	75.7 73.3	77.0	78 • 7 21 • ?	ar.7	21.0 24.0	61.0 84.0	51.0 54.0	61.3 84.0	31.1 84.0	21.0 54.0	21.0 24.0	21.3 34.3	71.3 64.3
≥ 1200 ≥ 1000	47.7	73.3	77.7 77.7		33.7		88.3	48.7	07.3	87.3	37.3	87.3 87.0	37.3 93.0	87.3 89.1	67.7	47.7 67.7
≥ 900 ≥ 600	1, 3, 7	73.3	7 7	83.0	36."	o8 . 3	99.7		90.5 91.7	91.7	9 . 3	90.3	91.7	~(• 3 91 • 7	90.7 92.7	03.7 02.0
≥ 700 ≥ 600	47.7	73.3			87.0	69.3	93.3	03.3	93.7	93.0	94.0		94.0	93.0 94.7	93.3	93.7 64.5
≥ 500 ≥ 400	49.7	73.3		94.3	97.5	₹8.0		45.3	94.7	95.3	96.7	95.3 96.7	96.7	96.7	97.	97.5
≥ 300 ≥ 200	49.7	73.3	75.7	1	37.7 97.7	90.0		96.0		97.7			97.7	98.0	98.3	1
≥ 100 ≥ 0	43.7	- 1	79.7	84.3	87.7			76.0		98.0	98.0	- 1	- 1		98.7	76.7

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11/2	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	<u> </u>	≥ 0
NO CEILING ≥ 20000	ि⊒ ः 7•3	73.7 75.7	37.7	3/.7	37.3	39.7	37.7 45.0	79.7 45.0	45.7	47.0	40 • 3 45 • 3	40.3	47.7 45.3	45.3	40.7 45.3	
≥ 18000 ≥ 16000	7.7	36.7	41.7	42.0 42.0	44.7	44.7	45.0	45.0 45.0	45.3	45 . 3	45.3	45.3	45.7	45.3 45.3	45.3	45.7
≥ 14000 ≥ 12000	7.4	77.3	47.0	42.3	44.3	45.	45.3	46.3	45.7 46.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 10000 ≥ 9000	. ,	4C.7	46.0 46.0	46.3	49.0	47.7	50.0 55.0	10.0 00.0	50.3 50.3	53.7	50.7	50.7	50.7	50.7 50.7	50.7 50.7	51.07
≥ 8000 ≥ 7000	1.7	43.0	47.0 50.0	50.0 51.0	53.5 54.0	53.7	54.0 55.0	54.9	54.3	54.7	54.7	54.7 55.7	54.7	54.7 55.7	54.7 55.7	54.7
≥ 6000 ≥ 5000	7. • 7	45.	51.7	52.7	54.7	55.3	55.7 57.7	55.7 57.7	56.0 58.0		56.3 58.3	56.3 58.3	50.1 58.3	56.3 58.3	56.3 58.3	56.3 58.7
≥ 4500 ≥ 4000	3	45.3	51.7	54.3	57.0 58.7	7.7 19.3	58.3 67.3	60.3	58.7 57.3	59.0 60.7	50.0 60.7	59.0 60.7	59.0 60.7	59.D 50.7		59.5
≥ 3500 ≥ 3000	34.7	3.3	5°,3	50.7	61.3	42.5 68.0	52.7 53.7	62.7 68.7	69.	65.3	67.3 69.3	69.3	67.3	53.3		67+3 67+3
≥ 2500 ≥ 2000	3 7	56.7 59.7	64.3	66.3 79.0		72.3	73.5	73.0	73.3 78.3	73.7 73.7	73.7	73.7 78.7	77.7	73.7 76.7	74.7	73.7
≥ 1800 ≥ 1500	• 1	10.0 53.0	5 .C	71 • 0 74 • 0	76.3	78.0 2.0	78.7	79.7	80.7 84.7	80.3	∂ 7 • 3 E 4 • ₹	67.3 64.3	80.3 84.3	85.3 84.3	80.3 84.3	96.3 84.3
≥ 1200 ≥ 1000	1.5	75.7 56.7	73.3 74.7	76.5 78.5	32 . 3 84 . 7	^5.0 87.3	55.7	85.7 89.0	87.7		87.3 90.0	87.3 99.0		87.3 90.0	47.3 90.0	87.3 90.0
≥ 900 ≥ 800	7	66.5	75.0 75.7	79.3 74.	85. 85.0	57.7 99.0	98.3 90.0	89.3	89.7	93.5	90.3 92.0	90.3		90.3 92.0	90.3 92.0	981.3
≥ 700 ≥ 600	2.0	56.3	75.7	79.7 79.7	86.7	19.7 41.3	97.7	91.7	72.° 94.7	92.3	92.7	92.7			97.7	45.7
≥ 500 ≥ 400	42.60 12.60	66.7	76.3	79.7 79.7	87 • 3 87 • 3	71.3	93.0	75.7	95.7 96.0		96.3	96.7			97.3	97.3
≥ 300 ≥ 200	2.0	66.7	76.3 76.3	70.7	87.3 87.3	91.3	93.0	95.3	96.0		97.7	98.0 98.0	96.3	98.7	98.7 99.0	99.3
≥ 100 ≥ 0	·2.5	56 . 7	76.3	79.7	87.3 87.3	91.3	93.0 93.0	75.3	96.0 96.0		-		_		99.3	

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) 21% 21% ≥ 14 | ≥ 5/16 | ≥ 14 ≥ 6 76.7 35.7 36.7 36.7 NO CEILING 43. 44. 7 44. 7 46. 7 46. 7 47. 47.0 47.0 47.0 47. ≥ 20000 ≥ 18000 ≥ 16000 47.0 47.7 47. 47.0 47.0 ≥ 14000 ≥ 12000 41 . ≥ 10000 ≥ 9000 52.7 52.7 32.7 52.7 50.7 56.7 56.7 56.7 56.7 7 (3. 3 54. 3 55. 0 56. 7 17. 7 54. 58. 0 58. 0 52. 7 56. 7 56. 7 61. 3 61. 3 54.7 57.0 62.3 62.0 23.3 63.7 63.7 60.3 65.0 66.7 68.7 69.7 70.0 70.0 7 63.7 63.7 63.7 62.7 63.7 67 5 77.6 70.0 70.5 77.3 70.3 70 ≥ 3500 ≥ 3000 54.7 75.0 77.0 79.0 60.3 51.0 71.8 77.7 84.5 A2.3 F3.7 AN.3 48 . AP . 7 89 . 3 63. 7 87. 0 90.7 92.3 93.0 23.7 94.0 94.7 7 96.7 97.7 97.7 6.3 47.7 94.7 47.0 97.7 98.3 98.3 99.3 99.3 37.7 92.0 94.7 97.3 97.7 96.7 99.3 99.3 99.3 79.7100.0

TOTAL NUMBER OF OBSERVATIONS

370

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 114	≥ 1¼	≥ 1	≥ %	≥ %	≥ 1/3	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000	7. • 5. 3.4 • 7	76.00 41.00	36.7	41.3	36.7	7.3	37.3	37.3	37.3	37.3 43.0	37.3	37.3 43.J	37.7 43.0	37.3 43.0		47.7
≥ 16000 ≥ 16000	34.	41.0	41.3	41.3	42.1	42.3	43.0	43.0 43.0	43.0 43.0	43.0	43.0 47.0	43.0	47.0	43.0 43.0	43.0	43.C
≥ 14000 ≥ 12000	34.7	41.7	47.0	42.0	42.7	43.5	45.7	45.7	45.7	43.7	44.7	43.7	47.7	45.7	43.7	43.7
≥ 10000 ≥ 9000	36.3	45.7 46.0	46.3	45.7	47.0 47.7	47.7	48.3	49.0	40.3	48.5	48.0 49.3	48.3	48.0 48.3	48.0	45.7	47.3
≥ 8000 ≥ 7000	2	49.3 51.7	51.0 5~.7	51.0 53.7	52.0 54.7	12.3 55.0	53.3	53.3 56.0	55.7	53.3 56.0	53.3 56.2	56.0	57.3 54.0	52.3	58.3	56.0
≥ 6000 ≥ 5000	40.7	53.4	54.3 55.3	54.3	55 • 3 56 • 3	55.7 56.7	56.7 57.7	56.7	55.7	50.7 57.7	56.7 57.7	56.7	55.7	56.7	56.7	55.7
≥ 4500 ≥ 4000	41.7	33.3 54.0	56.0 57.0	56.0 57.7	57.7 58.7	57.3 39.0	59.3	58.3 50.0	53.7	5: • ! 6: • 3	54. T	50.3	50.3	12.3	58.3	50.3
≥ 3500 ≥ 3000	45.3	57.3 53.0	60.3 56.0	51.0	52.1 68.0	62.3 53.3	69.3	43.3	63.7		63.7		63.7	67.7	53.7	67.7
≥ 2500 ≥ 2000	3.00	67.0 72.0	70.3	71 • E 76 • 7	72.3	72.7	73.7	73.7	74.0	74.5	74 3 :• *	70.5	74	74.5 -7.3	74.7	74
≥ 1800 ≥ 1500	55.3	72 · 3	75.7	77.0 81.0	79.7	79.0 63.7	80.0 85.0	*0 • 31 *6 • 0)	41.7 at.7	51.0 85.7	81.7	54.7	1.7	41.0	61. 66.7	7:07 86.7
≥ 1200 ≥ 1000	57 • 7 56 • 7	78.7	31.7	83.7 87.0	26 · 3 84 · 7	86.7 92.3	92.3	76.0 94.0	90.7	90.7	90.7	92.7	70.7	99.7 54.7	90.7	9 (. 7
≥ 900 ≥ 800	56.7	8.7 • Z	84.7	47.7 68.3	91.3	91.7	93.7	25.3		96 ·	97.3	97.3	76.7	?6.0 ?7.3	96.0	96.0 97.3
≥ 700 ≥ 600	55.7	30.7	84.3 84.3	88.3 88.3	92.3	3.3	95.3	77. 7 57. j	97.7		97.7		97.7	97.7 97.7	97.7	97.7
≥ 500 ≥ 400	50.7	80.7 80.7	84.3	87.3 88.3	92.3	73.3 53.3	95.7	97.3	99.7	_ : - :	98.3	98.3	94.3	98.7	98.T	98.3 178.7
≥ 300 ≥ 200	50.7 56.7	30.7 80.7	34. 7 84. 3	99.3 58.3	92.3	73.3 73.3	95.7	77.3 77.7	96.7	98.C	98.3	99.3	59.3	96.7	99.7	98.7
≥ 100 ≥ 0	56.7	33.7 85.7	34.3	08.3 24.3	72.3 92.3	73.3 3.3	96.0	47.7 47.7	99.7	98.3		99.0		99.7	-	

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET)	≥ 10	≥ 6	≥ s	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	2 14	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	3	42.	37. 4	70.3	30.4	6.4	44.	7.3 44.0	32.5 44.0	35.3 44.5	30.5 44.7	37. 7 44.L	J 3	18.3 44.0	30.3	44.1
≥ 18000 ≥ 16000	14.7	42.3	43.	44.3	44.	44.3	44.3	44.3	44.7	44.3	44.3	44.3	44.3 44.3	44.3	44.3	11 4 a 7
≥ 14000 ≥ 12000	3 • 7 11 • 3	45.00 45.01	43.3	44.7	44.7	47.3	44.7	44.7	44.7	47.5	44.7	44.7	44.7	44.	44.7	44.7
≥ 10000 ≥ 9000	ांत ्र रेल • र ्	48.8	40.0	50.3 50.3	53.3	10.7 10.7	39.7 50.7	55.7	7.1.7	57 5:.7	50.7 50.7	50.7	5 .7	50.7 50.7	50.7	7
≥ 8000 ≥ 7000	्र ्ड ः ? •]	55.3	5-01	34.9 57.3	56.0 57.3	7.7	56.3 57.7	56.7	56.3		56.3 57.7	54.3	57.7	57.7	55.3	57.7
≥ 6000 ≥ 5000	-4-3	5.3	56.0	57.3	57.3	£7.7		3.0	50.0	5°•0	53.0 50.0	59.0 39.0	5°•0	5 % - G 6 G - C	59.0 60.0	1 4 8 . T
≥ 4500 ≥ 4000	49.7 45.7	57.7 58.3	50.7	6.00 61.0	61.0	40. T		.7	0 1.7	50.7 62	67.7 67.1	60.7	10.7	60.7	67.7 62.0	ें €रे.•री . ६३•९
≥ 3500 ≥ 3000		61.3	53.3 68.0	71.0	71.0	15.7	56.7 72.0	72.5	56.3	55.3 72.0	66.3 72.3	72.0	e4. *	56.3	66.3	66.3 7
≥ 2500 ≥ 2000	1.7	72.	70.7	73.7	74.0	74.7	75.3 81.7	75.3	75.3	75.5	75.7	75.3	75.7	75.3	75.3	7:.
≥ 1800 ≥ 1500	5.	73.7 76.7	77.3	35.0	81.3	42.3	63.0	43.0	33.5 37.7	33.0 87.7	#3.0 37.7	87.7	67.7	57.7	33.0 67.7	33.00 97.7
≥ 1200 ≥ 1000	5	77.7	67.3 83.3	27.5 28.7	38.7	90.0 92.3	93.7	11.0	91.5 94.7	91.6	91.0	91.9 94.3	11.0 24.0	71.7 94.6	91.5	91.0
≥ 900 ≥ 800	.5.7 5.0	79.0	84.3 84.7	90.7	- 1	04.3	95.7	75.7 76.0	96.7	95.7	96.3	95.7	98.7 66.3	96.3	95.7	45.7
≥ 700 ≥ 600	5.5	74.0	84.7	40.0 30.0	93.1	4.7	96.3	76.3 76.7	76.3		96.7	97.0	96.7	91.	96.7	96.7 97.0
≥ 500 ≥ 400	5.	79.3	85.0	91.3	97.5	75.7	76.7 97.3	7.0 78.0	97.0 98.0	97.3	97.3	77.3	97.3	97.3	97.7	97.7
≥ 300 ≥ 200	5.	70.3	81.5	91.3	53.7 93.7	95.7	97.3 97.3	28.D 95.€	29.0	99.3	99.3	99.3	99.3	99.3	90.7	99.3
≥ 100 ≥ 0	f.	79.7	85.0	90.3	93.7	5.7 5.7	97.3	99.3 98.3	00.7	99.7	99.7	99.7	99.7		99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ ¥,	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	7	36.7 47	37.7	37.7	37.7	77.7	17.7 42.0	42.0	27.7 42.0	57.7 92.0	37.7 42.2	37.7	31.0	7.1 4.2	37.° 42.3	42.7
≥ 19000 ≥ 16000	3.	• 7 • 7	41.7 41.7	47.	42.5 42.3	ا ويو <u>اوتون</u>	42.7	42.0	47.0	42.0	42.0	42.0	42.3	42.1 42.2	42.3 42.3	47.7
≥ 14000 ≥ 12000	. <u>14 •</u> .	40.7	41.7	44.0	42.0	47.1	47.1	47.0 54.0	47.0	44.0	44.	42.01 44.01	4 . 3	47.1	47.3	44.7
≥ 10000 ≥ 9000	10 • 1 24 • 1	44.7	45.7	40.3	46	46.3	46.7	45.7	40.07	46.5	44.7	46.3	44.7	46.7	46.7 47.	47.0
≥ 8000 ≥ 7000	1.4.4		5 7 • 7	57.7	54.	54.3 54.3	57.0 54.7	-4.7	54.7	+	57.05 54.07,	5 2 6 7 5 4 6 7	. 7.3	13.3 15.00	53.3 <u>15.</u> 3.	7.23 2.12
≥ 6000 ≥ 5000	4.	• • · · ·	51.3	57.1	57.	75.	58.7 57.3	17.3		57.3	55.7 57.3	55.7 57.3	16.0 13.7	57.7.	56.1 57.7	56.3
≥ 4500 ≥ 4000	4 <u>• 3</u>	الاوقا عرفيرياً م	5 2 . 7	5 3	5' • 5,	5.7	60.7	13.7	· · · · · · · ,		77.5	5 4 6 9.	3. أعلف	٠٠٠٠ لعملان	59.3 	- 7 - 1 = 2
≥ 3500 ≥ 3000	1 • 7	. 53.•7 . 53. <u>•</u> ≛	71.2	75 • 7	73.7		66.3 73.7	+		74	36.7	<u> 74.0,</u>	67.5	- <u>74 - 3</u>	67.6 . <u>1</u> 4.3.	74.7
≥ 2500 ≥ 2000		7.7 7.0	7° • 7	* > . 3	77.°	3.7	84.3	77.7	77.7 74 .7	7	7° .	7	7 .3 12:1	رون ۲۰ میشدن:	کی ۲۰۰۶ پیرونگی	7
≥ 1800 ≥ 1500	-2	1 • 5	81.5 84.7 84.3	35.3	67.3	74.3 27.7	69.3.	**•3 *1•C	7.3	<u> </u>	£6.7.	0.2.7	98.0	33 • i . <u>.5</u> 9 • <u>C</u> .	99.)	<u> </u>
≥ 1200 ≥ 1000	, - 7	32.7	27. T	27.7		21.7	98.7	3.2	97.0		93 • T	<u></u>		. <u>23</u> • 7.	23.7	04
≥ 900 ≥ 600	1 1 7	-3.3	0 n 7	- 1	97.7	7.3.7	94.1	311 . 3	14.	95.5	35.7	65.a,		. 25 22.	<u> </u>	
≥ 700 ≥ 400	7.7	#3.7 22.1	8	91.3	73.7	4.7	95.3	6.3	25.7	36 . 3	94.3	96.5	97.7	96.7	96 • 7. 97 • 7	37.
≥ 500 ≥ 400 ≥ 300		A 2 . 5	57.3	91.7	94.3	C4 . 7	96.3	7.7	47.7	98.	- 1	98.3	28.7	98.7	<u> 78 . 3</u>	- 2 - 7
≥ 200	7	63.5	8 . 1	71.7	94.7	4.7	96.3	27.0	97.7	98.3	48.3	28.3	45.7		49.7	1:3.2
≥ 100 ≥ 0			8 . 3	91.7	- !	- 1	66.3	- 1		06.3		94.3	39.7	29.7		

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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- 48

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 11/4	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	•	41.2	* 2.0	3. •€	34.1	79.3	35.8 44.8	76.6 44.8	39.7	34.7	30.7	20.7	30.8 41.	37.3	10.j	1 5
≥ 18000 ≥ 16000	,	11.7	4 7	43.4	44.1	44.5	44.5	44.4 64.4	44.0°	44.C	45.7	45.7	H°•° H5•€	45. 45.	45.	4
≥ 14000 ≥ 12000	7.1	41.5 47.6		45.7	44.4	44.5	45.1	4 , 4 1	45.7	45.2	46.4	45.3	45.5	45.3	45.3	45.7
≥ 10000 ≥ 9000		45 . 7 . 6 . 1	47.0	4 ? • 4 4 · • 6	47.7	20 5	50.5 50.8	٠٠.٠ ٠٦.٠	50.5	56.1 53.5	50.1	5" • 1 57• 5	50.0 51.4	53.2 56.6	55.2 53.6	en.ī
≥ 8000 ≥ 7000	0.7	°.∶ 1•	55. T	50.0 65.4	56.5	5.3) (6.5)	57.3	55.E	57.5	55.4 57.5	57.5	56.3 27.5	57.6	56.0 57.6	54.5	57.8
≥ 6000 ≥ 5000		12.5 54.	5 - 5	5.0	52.5	4.3	59.0		37.1		59.2 40.1	5 A . 2	60.2	58.2	58.3 60.2	(a . u
≥ 4500 ≥ 4000	1 . u ?	4 • c	57.7 Sc.6	~~•4 ~ • 3	50.7	1.7	62.3	12.4	- 1 · 1	60.3 62.5	65.0	€0.9.	67.9	63.5 62.0	67.7	1.1
≥ 3500 ≥ 3000	4.5	51.0	61.5	63.4	54.7	15.1 70.1	65.9 71.2	65.3 71.3	1.6 a "	71.5	55.1	71.6	76.1	· 6 • 1	71.7	71.
≥ 2500 ≥ 2000	1.	71.7	77.4	77.3	73.0	74.6	75.0	15.4	75.5	75.7	75.7	75.7	79.5 51.5	75.1 51.5	75.0	75.5
≥ 1800 ≥ 1500	NI.	71.7	75.7	70	74.0 23.5	;∂•7. 4•4	81.6	2.0° 5.8	\$2.1 86.0	22.3 16.1	87.3 85.1	26.1	66.2	:2.3 [6.]	62.4 36.7	(
≥ 1200 ≥ 1000	• 6	75. 77.	8 A. 32.	53.6 85.5	86.1 83.3	57 • 1 19 • 5	35.3 91.0	3.9	97.1	80.7	37.3 97.1	20.3 27.1	50.3 92.2	29.1 22.2	30.3	9 7 • 3 - 2 7 • 3
≥ 900 ≥ 800		77•2 77•3	32.4	65	0 . 1	~0.6 41.5	97.0	23.6		94.2	94.3	73.3	07.7	93.3	95.4	63.6
≥ 700 ≥ 600	.,	77.4 77.1	8 7 . 7	66.8 67.5	91.7	2.5	93.9 94.3	74.5	74.0 95.6	75.2	96.7	95.2 26.3	5 • 3 25 • 3	75 • 3 76 • 3	96.4	\$ 5 . u
≥ 500 ≥ 400	52€ 58€	77.5 77.5	83.7 87.5		91.3	2.7 23.0	94.9 95.3		96.2 56.8	97.0	97.7	97.0 97.8	97.7	97.0 98.0	97.3 98.0	97.4
≥ 300 ≥ 200		77.6 77.6	83.5 87.5	97.4	91.4	∩3.0 93.0	95.4	26.7 46.8	97.7	98.1	98.5	98.4	98.5 99.0	98.6 99.0	99.1	01.8
≥ 100 ≥ Ø		27.6	87.5	* '!	91.4 91.4	3.0 3.0	35.4 25.4	76.9	· i	92.3	- 1	99.9		99.5		

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ :	≥ ¾	≥ 4	2 %	≥ 5/16	≥ ′.	≥ 0
NO CEILING	• 1	24.0	30.0	3 • • 1	₹5.1	7.5 . 5	3 5	34.6	*:	₹6.45	36.0	76.3	74. 6	36.	34	• • •
≥ 20000	1	700	37.7	37.7	20.	70.4	50.7	37.7	39.7	39.7	35.7	73.7	76.7	35.7	39.7	. 27 13
≥ 18000 ≥ 16000	• !	30 • ± 36 • ±	37.7	33.7 33.7	39.	19 . 4 29 . 4	30.7	39.7	59.7 30.7	39.7 33.7	(0.7) 34.7	39.7	. 19.7 . 12.7	. 19.7. . 39.7.	32.7 30.7	27.7 . 79.7
≥ 14000 ≥ 12000	• 1	36.4	37.7	78.7		12.0	30.7	79.7	32.7	34.7	34.7	39.7	74.7	77.7	39.7	79.7
≥ 10000 ≥ 9000	12.	42.6	47.6	-	44.5	45.5			45.5	45.5	45.5	45.5	45.8	45,5	ge e	40.0
≥ 8000 ≥ 7000	15.	47.1		49.4	4 7	2.5		10.7	13.3	53.1	50.3	51.3	F 1 . 3	50.3	5 7 2	
≥ 6000 > 5000	1 . 5	4	21.6		51.3	1.6		1.7		1.	51.	51.2	51.9	51.9	F1.0	51.9
≥ 4500 ≥ 4000		11.3		23.6		4.5				57.4		55.2	55.2 2.5.2	5.2		. 2784 55.0 59.4
≥ 3500 ≥ 3000	40,	.5.	54.5	57.7	+	1.9 a L	24.7	52.7	55.7		59.7	59.7		52.7	<u>-2</u> . ቋን 5ን • ን 55 • ን	, <u>_ ' </u>
≥ 2500 ≥ 2000	17.4	12.4 13.4	64.5	E' . 8	15.8 73.6	56.4	76.5	10.7	58.7	76.5	50.7 76.5	58.7 75.3	50.7	76.5	63.7	5 7
≥ 1800 ≥ 1500	47.7	73.2	71.5	73.0	74.5		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200 ≥ 1000	7	76 . 1		79.7		12.6	, h , c,	°4.5	** **	54.F	84.5	94.3	54.6 182.1	24.	14.5	19.0
≥ 900 ≥ 800	1 4	77.1	77.4		94.4	7.7	93.7	4	18.7	93.7	79.	63.7	nº . 7	A P . 7	2 5 3	P 4 . 7
≥ 700 ≥ 600	* * *		8.00		3/ 1	"6 · 1 8 · 7	20.3	SC.7	-1.0	91.6	91.9		31.3	71.0	91.7	91.5
≥ 500 ≥ 400	•	77.1	8 . 7		57.1	9.4		~4.A	95.7		116.03	96.3				. <u></u> . 5 k . 2
≥ 300 ≥ 200		77.1	8 . 7 9: . 7		37.7	n 1, 3	24.5	75 • 1	96.5	96.1	04.4	5×.4		03.6 08.7	78 • 1 78 • 4 78 • 7	66.4 93.7
≥ 100 ≥ 0	•		9.7	*4.8	27.7	90.0 0.0	94.5	75.5 75.5	56.A		39.4	90.4	99.7	99.7	100.0	100.0

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES:						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/3	≥ 2	ביו ≤	≥ 11.	≥ 1	≥ %	≥ 4	≥ 5	≥ 5 16	≥ .	≥ 0
NO CEILING ≥ 20000	•	77.	34.2	34.5 75.4	4	76.1 42.	54.4 47.1	• .		4	16.7				7 ·	
≥ 18000 ≥ 16000	•	7.1	37.7	7 . 4 . 4	4	47.	47.	1 ·		· •	۳.۰. ن <u>د</u> دن	٠,		40.1 42.1		•
≥ 14000 ≥ 12000	•	57.1 17.4	31.7 3 <u>-1</u> ,	7 3 . 7	4	***	4 · 7		4 .	e	. ^ ^ .	4 7	7		4	
≥ 10000 ≥ 9000	1. 1.	41.4	4.7	43.6	47.7 47.5	-5.1 -5.1	4 .		****	4 \ • · · · · · · · · · · · · · · · · · ·	4	45. 41.	۶۰, ۱۰ کویت	45.4	4".	
≥ 8000 ≥ 7000	· ``.		4 .	4	47.4	-1.4	*•٦٠ يەوراسى	. ', ' . <u></u>	. 4 ° 4 ° 4 ° 4 ° 4 ° 4 ° 4 ° 4 ° 4 ° 4		. 4	47.7	4.1.7 4*	47.1 35.4	47.7	•
≥ 6000 ≥ 5000		प:•` <u>१५,•</u> ९	4 1	er er	, 4 , 7 , • .	• • • • • • • • • • • • • • • • • • • •	. <u></u>	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • •	•	4+. . 50.7	, , ;	•
≥ 4500 ≥ 4000		. 47 . 1 _ 2. 2. • 1.	51.	(آ• <u>بند</u> بنان			50.00 24.00	4.4		. † . †			, i 4 • °			•
≥ 3500 ≥ 3000		7.1				18.7 13.2		<u> </u>	· .	14. <u>(2.6</u> 6		. <u></u>	• •	•		· · ·
≥ 2500 ≥ 2000	,4,		61. 97.	م و آ رفت و دارات	71.1		72 <u>.</u> 1.	. 14.5 . <u>11.6</u> ,	15.	13.3	77.5	75.2	* • • • • • • • • •	55.1 . : 7.1		• • • • • • • • • • • • • • • • • • •
≥ 1800 ≥ 1500	65 • 1	57.1	7 • •	7: . 7	77.67 77.1	13. 1.1.	74.	ាំង• <u>ាំ</u> ាំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំ	74 • .7 - 75 • .	74.) 77.1	74.5	74.3	74.5 77.1	74.1	74.1	ੀਲ•ਾ . ••••
≥ 1200 ≥ 1000	4 .		71.7 71.7	77.4	79.3 . <u>91</u> .1	7 1.2.	72.1 	-	77.7	93.			. <u></u> . 5	10.00° 17.00°	. 7.6	•
≥ 900 ≥ 800	466	71.5	74.5	· · · · ·	63.7 <u>63</u> .3	3. 4 <u>.5</u> ,	. 36 •).	1/ - 3	45.5 56.0	31. + 1.	τί•1 <u>:</u> 7•7	-5.1 -7.2	• 1	50.1 27.7	66.1 57.7	. 7 . 7.
≥ 700 ≥ 600	40.00	71.6 71.1	7:04	<u> : . 7</u>	94.5	5 • ≥ <u>- • •</u>	: 7 . 4 9 7 . 7	11.1	71.0	21.6,	1.1.9	57.4 51.0	17.49 12.3	برود. برويد	94.79 142€.	
≥ 500 ≥ 400	44.	71.9	7 1	01.3 11.3	7.1	7 • ! . 8 • 4.	31.5.	्र. ७ १. ७	97.0'	73.6 74.5	04.8 04.8	94.2.	94.5	:₩,′ 95,⊈.	74.8 9.54	3
≥ 300 ≥ 200	46.	71.9	71.1	11.6	97.7 97.7	7.	97.4	5.2	4		96.1	95.1 37.4	90.3 95.41	96.5 1891.	97.4 52.1	95.7
≥ 100 ≥ 0	46.	71.9 71.9	70.1	11.6	27.7	٠,٠	97.7 97.7		•	97.4	97.7		50.4	91.4	79.4 99.7	05.4

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CEILING VERSUS VISIBILITY

NOVES 11 5 *

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							V I:	SIBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/6	≥ 2	ביו ≤	≥ 114	≥ 1	≥ ¾	≥ 4	≥ 1,	≥ 5 16	≥.	. ≥ c
NO CEILING ≥ 20000	• 3		3 • 5			19.1	2 . 1	, , 1,	· • [•	, ,	•		••••	11.	
⊢ -⁻ · · ∤	· · · · -		بع کے .	•	- 3	<u>• </u>	- 12	بكعمت		بعلت	سعفت	خفلت	أعنت		31 m.	. ``
≥ 18000 ≥ 16000	,	3.0	, 10 . " 		i.	- 10 • 1	4: 7		4 . 7	41.	1.	43 a 1	41.	-1.	-1.	-1.
≥ 14000 ≥ 12000		7	77		4		4 2 4 3	1.	4	41.	91.0	61.	6.1	11.5	1.	
≥ 10000 ≥ 9000	•		41.	(2.)	4 7 . 2	•	43.			44.	44.	44.		44 g.	44.	
	•		410-	+ + + + 7	• • • • •	<u> 5</u>	4.	•—•		4496	1: 12 . 5	44.0			* • • ± ± ± ± .	
≥ 8000 ≥ 7000	1.		4.4	• • 1	4	47.1	47.1 47.1			`& ? U ?	47.7	47.7	- 1 7 . 7 - 2 7 . 7	47.	47.7	•
≥ 6000 ≥ 5000	•	•	4	7.1	47.5	• 1		• 1	1	4		4 7	,			
F∵ [−]	•				+ " ' ' ' ' '		•	- 7	•_			- -	يُد فِد .	1.:	≥.1 • `	
≥ 4500 ≥ 4000			i e i		# * • * • 1 •	1 • 5 4 • 5	1.7		51.5		1.0		1.5	1.	1.0	
≥ 3500 ≥ 3000	•			• 1	5 .0	4	34.0	4.	34.							
≥ 2500 ≥ 2000		, h.		F1.			7.7	• • • •	2 1 0	. <u>- 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - </u>					54	
≥ 1800		1.	·	· · · · · · · · · · · · · · · · · · ·	•			1.	<u> </u>	71.	71.	1.	• • • • •		1	•
≥ 1500	• • • • • • • • • • • • • • • • • • • •		<u>. الله المناف</u>	71.3		- <u> </u>	.][•\]	ولجوادل			19.5	1		. [: •	16.	
≥ 1200 ≥ 1000	•		7(. 70.5	714.2 71.1	75.6	17.;	7 .4 1.5			• • • • • • • • • • • • • • • • • • • •				- 77•4 		
≥ 900 ≥ 800	•		7	7 • 1	• • • • • • • • • • • • • • • • • • • •	1.4		3.0	•	* • •		**************************************		4 .		^ · •
≥ 700 ≥ 600	•		7.	• • • •	·	1.	1.4.		7.1				•	. = - •	• •	• • •
≥ 500	•		•	+ 7 . 3	• • • • • •		7.1	· _ 7.1	•	1.	•			ويشاه الفاقات. الأنه أن		. 11 \$ 5.
≥ 300	- ; :		76.	1.		- (•)		1.	<u> </u>	<u></u>	$+\frac{1}{2}$	• 1	• ;		γε. • .	
≥ 200		• •,	· · ·	11.	7.~	0.1	9 .7	3,	· • · ·	· · · · · · ·	. 1	· 1	7	. :2.7.	23.2	
≥ 100 ≥ 0	•		7 .	1. `	5 7 ₹. 5 . 6 ₹. 5;		5 .7	•		5	· · · · · · · · · · · · · · · · · · ·	77.1	7	65.7	. ^ , 4 ∴ 0:	7 . 7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1.64

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING (FEET) NO CEILING ા) • ≥ 20000 1101 3701 ≥ 4500 ≥ 4000 54.4 55.0 7.4 55.1 75.1 77.4 61.9 (2.5 67.2 3.2 75.1 50.7 67.6 65.2 6.1 67.1 57.7 61.7 (6.1 67.0 10.0 71.6 2500 2000 0.0 71.7 73.5 75.3 1800 1**500** 1200 10.71 84.2 700 600 100

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '.	≥ 0
NO CEILING ≥ 20000	•	71.7	31.0	72.7 36.8	30.5	`2.5 36.^	33.3 36.3	3 50.08	₹0.7 36.6	30 36	32.3	3 ? • 3 36 • A	37.3	76	32.3	72.3 8.00
≥ 18000 ≥ 16000	25.5	35.2	35.1	30.5	36 • 5 36 • 5	75.0 36.3	36.8	36.65		36.8 36.8	16.3	36.8	74.8	36.3	36.8	55 . f 36 . à
≥ 14000 ≥ 12000	26.	75.5	35.5	ર્દ-8 ઉ≎-4		77.4 40.0	27.4	77.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	77.4
≥ 10000 ≥ 9000		40.7	41.4	41.9	47.6 47.6	42.3	42.0	42.9	45.5		42.9	42.9	47.0	42.9	42.4	42.9
≥ 8000 ≥ 7000	31.	44.1	46.1	46.5	47.1	17.4		47.4	47.0	47.4	47.4	47.4	47.4	47.4 48.4	47.4	47.4
≥ 6000 ≥ 5000	1.	46.5	47.1		40.7		49.0 53.3		40.7	4 3 . S	40.7	45.0	49.0 57.3	49.0	49.0	47.
≥ 4500 ≥ 4000	7.2		57.7		5 2 • 6		52.7	52.9	57.7 52.9	52.9	50.7	50.7	50.7	50.7	50.7	F0.7
≥ 3500 ≥ 3000	_u	71.7	50.4 59.1	55.5	54.5	7 • 1 61 • 7	57.1	57.1	57.1	57.4 62.3	57.8 62.3	57.4 62.3	57.4 67.3	¥7.4	57.7 62.6	57.7
≥ 2500 ≥ 2000	. 1	38.1 2.0	61.7	+3.2 43.7	65.3 71.0	15.5	55.5 71.5	·5.5	65.5	65.8 72.3	65.2	65.8	55.8 72.3	65 • ÷	77.4	77.6
≥ 1800 ≥ 1500	7	64.5 -5.2	6 .4	70.7		13.5	73.6	73.0 75.2	75.3	74.2	74.2	14.2	74.2	74 • ? 76 • 5 !	74.5	74 .F
≥ 1200 ≥ 1000	3 • 11 2 • 6	15.F	7 .7	74 . 2	70 .4 8 .7	79.4	e".7	13.2	41.7 63.2	91.6 93.0	34.2	51.9 34.2	01.0 94.2	94.2	64.5	92.3
≥ 900 ≥ 800	13.0 63.0	57.1			81.0	3.2	34.5 95.1	15.5 7.4	87.4	86.1 38.1	86.5 88.7	66.5 58.7	96.5 89.4	76.63 5.79	87.1	97.1
≥ 700 ≥ 600	13.	67.4	73.n 73.6	7: •1	94.2 84.5	6.1	67.7 58.7	89.4 30.3	39.4 90.3	30.0 41.6	97.7	90.7	91.3 97.2	91.6	71.0	01.3
≥ 500 ≥ 400	3.0	67.4	73.6	73.4 78.4	54.5	7.1	89.4	71.0 71.0	91.5	93.6	94.7	94.2 95.5	94.8	95.2	95.5	5; . E
> 300 > 300	4 S	57.4 (7.4	73. F	75.4 75.4	34.8 84.6	27.4	87.4	1.6	41.9 41.9	23.9 93.9	96.1 96.1	76.1 96.1	97.7 28.4	98.1	98.4	54.4 99.7
≥ 100 ≥ 0	+3.	67.4	73.6 72.6	7 4 7 4	84.8 34.8	7.4	89.4 89.4	1		93.9	96.1	96.1 96.1	98.4 98.4		99.7	

* 7.

TOTAL NUMBER OF OBSERVATIONS 71

DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ ⅓	≥ 5/16	≥ .	≥ 0
NO CEILING	£ . 7	5 .	34.0	34.8	34.5	14.4	34 . ñ	34.5	34.3	34.5	54.8	34.3	₹4.5	74.5	74.5	3-00
≥ 20000			4	4(.6	4:	0.1	40.0	11.0	40.7	40.0	40.0	40.0	4: . "	40.0	40.7	• •
≥ 18000 ≥ 16000	•		4 .	40.0	40.0	40.0 40.0	40.0 40.0	. 40.01 .ao.o1	47.	40.0	43.0	40.0 40.0	40.0 40.0	40.0	40.0	4 .
≥ 14000		77.4	41.7	*1.A	41.3	41.7	41.3	41.5	41.7	41.	41.3	41.3	41.3	41.3	41.7	41.7
≥ 12000			41.	01.9	47.7	42.3	47.3	42.3	42.3	4200	4.7 . 3	47.3	42,3	42.3	47.	47.3
≥ 10000 ≥ 9000	13•3 13•3	+3.	45.4	45.5 45.8	45.0 46.1	45.8	45.3	4 1	45.5	45.1	45.4	45.8	45.8	45.6	46.1	45.3
			4 7 6 7	49.0	9 3 4	47.4	49.4	4 2 4	47.4	49.4	47.4	49.4	49.4	40.4	40.4	4001
≥ 8000 ≥ 7000		1	4 7 . 7	45.7	50.7	c.	50.0	0.0	50.0	5 U . U	NO 0	50.0	57.0	50.0	50.0	51.0
≥ 6000	5	46.7	51.	-1 • 0	51.6	1.5	51.5	11.5	51.6	51.6	-1.6	51.5	£1.6	51.6	51.6	51.5
≥ 5000	74.	50.0	32.5	2.6	53.2	~3.2	53.0	3.2	53.2	57.2	53.2	53.2	53.2	52.2	53.2	4.7
≥ 4500	76.	•	5 0 5	52.0	53.6	53.6	53.6	53.8	53.6	53.	57.6	53.0	57.6	53.0	57.6	73.5
≥ 4000	7 . 4	51.5	34.0	54.5	55.5	*5.5	55.5	55.5	55.5	55.0	55.5	55.5	76.5	35.5	45.	. 55 a f
≥ 3500 > 3000	. 3		57.1	57.4	5 . 7	8 . 7	58.	99.7	55.7	58.7			10.7	58.7	55.7	
		7 . 41	61.5	13 1 0 1	33.6	3.6	63.5	13.6	53.6	63.6	53.6	63.0	* 5 • 5	- 1300	<u>. 63.5</u>	. : : : :
≥ 2500 ≥ 2000	2 •	15.3	71.3	65.8 72.6	67.4	74.5	67.7	74.7	67.7	67.7	67.7 74.5	74.3	74.3	57.7 74.2	70 2	7
	77.1		71.0		7' . 5	75.5	75.3	75.5	75.0	75.6	75.8	75.4	75.0	75 £		
≥ 1800 ≥ 1500	7 6	7	74.5	76.3	79.6	79.4	70.7	73.7	79.7	79.7	79.7	79.7	70.7	77.7	79.7	79.7
≥ 1200	• 1	72.5	7 . 1	P . 3	34.5	14.5	35.2	₹ . B	45.5	80.3	- 5 . e	35.3	65.8	15.8	55.2	45.0
≥ 1000	· . 7	74 . 6	di.	2.5	87.7	3.4	40.4	20.00	20.0	20.7	9 7:	90.7	20.7	•₽•7	30.7	5.3.7
≥ 900	3 . 7	74.4	81.7	23.2	86.3	29.	92.0	. 7	ψn.7	91.3	01.3	21.3	41.3	91.3	91.3	21.3
≥ 800	ti 7	74.6	51.0	33.2	55.4	9.4	51.7	51.3	41.3	91.5	91.9	92.3	49.3	72.3	92.3	٠ 3
≥ 700	7	74.0	91.0	93.2	er.n	20.3	91.9	52.6	92.6	93.2	93.6	73.9	04.2	94.2	94.2	94.2
≥ 600	/s , y	74.	31.3	E7.6	80.4	1.0	97.2	43.9	93.0	94.0	93.2	45.5	96.1	76.1	56.1	1.62
≥ 500 > 400	7	75.7	81.6	7.9	40.0	11.6	93.9		94.5	96.1	26.3	97.1				,
L			51.6	63.9		1.6	93.0	54.6	74.9	76.5		97,7		98.7		201
200	, , ,	75.2	61.6 81.6	8 T . 9	97.1	1.6	93.9	74.8	94 . 5	96.5	97.4	97.7	99.0 99.4	99.0	99.5	99.4
≥ 100	11 . 7					\$1.0	7:09		94.2	96.5	97.4			00.0		
≥ 100 ≥ ¢	6.3	75.7	21.5	83.9	0 7	1.6	93.7	94.9	94.6	96.5		97.7	99.7		100.0	[

DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

HOURS (L. B. T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ i	≥ ¾	≥ %	≥ ⅓	≥ 5/16	≥ 1.	_ ≥ 0
NO CEILING ≥ 20000		35. .	3 1 . 2	, , ,	35.0 40.0i	5.9 (0.0	35.0 40.0	15.5 40.8	35.0	35.9 45.6	35.0	35.9	35.9 47.8	35.49 40.4	-	
≥ 18000 ≥ 16000		39.5 39.€	4 . 7	4 . 5	40.4 40.0	र ३०० स्टे•्ड	46° 5	4 . 2	411.P	40.8 40.8	40.8	47.3	47.8 47.3	40.c	40.6	4
≥ 14000 ≥ 12000	75.4 34.6₹	36.5 90.€9	4 .0	4 8	4 2 . 1	uj.(uz.1	45.8 42.1	#7.4 #7.1	42.3	4 2 3	47.5 42.1	42.1	40.5 43.1	42.1	47.1	ម 1. ក - * * វ
≥ 10000 ≥ 9000	34.4	45.3 45.6	45.5	46.7	46.0 47.3	45.9	46.9 47.3	47.3	46.0	47.3	4(.7	46.9	44.5	46.5	46.9	94.4 57.3
≥ 8000 ≥ 7000	.5.6 17.€0	41.00 5.00	50 • 4 50 • 4	7 1 • 1	51.1 53.1	1 • i 7 3 • 1	51.1 57.1	51.1 53.1	11.1 57.1	51.1 57.1	51.1 57.1	51.1 53.1	51.1	51.1 53.1	51.1	57.1
≥ 6000 ≥ 5000	7.	? • 1 . • 1	54.4 54.4	54.7	54.7	54.7 54.7	54.7 54.7	54.7	54.7	54.7 54.7	54.7 54.7	54.7	54.7	-4.7 54.7	54.7	54.7 54.7
≥ 4500 ≥ 4000		52 . A	57.	75.3	57.3	57.3	55.3 57.3	57.3	57.7	57.3	57.7	55.3 57.3	-7.3	55.3 57.3	55.3 57.3	5.5. 4 5.7. 3
≥ 3500 ≥ 3000	11.4	ິນ•ີ! <u>ໂ∂•ຫ</u>	61.3	57.99 63.8	64.4	78.9	57.0	44.4	64.4	56.7	59.9	54.4	53.0 64.4	58.1 64.4	54.4	. <u>5</u> 4.4
≥ 2500 ≥ 2000	• • 6 ₃	62.1	71.5	74.4	67.3 76.7	67.3	76.7	76.7	67.3	67.3 76.1	67.3 76.7	57.31 71.7	70.7	67.3 <u>76.7</u>	67.3 75.7	67.7 76.7
≥ 1800 ≥ 1500	46	71.5	77.7	75.1 8 .3	23.7	77.7		77.1 23.5	77.7 53.0	77.7	77.7 53.5	77.7 63.3	77.7	77•7 33•£1	77.7 £3.5.	77 .7 ور ني ,
≥ 1200 ≥ 1000	7 3	74 - 1	70.4	82.9 84.8	89. 1 89. 1	27.4 23.3	27.7 20.3	97.7	07.7	27.7 20.3	97.7 <0.3	97.7	90.7	97.7 ce.3	95 · 1	3.3
≥ 900 ≥ 800	1.7.5	74.1	80.3	45.8	97.5	1.6	91.6 92.9 93.2	32.9	91.5	92.9 93.5	91.5 92.9 93.5	91.6	92.4	97.47	92.9	92.0
≥ 700 ≥ 600	7.7	74.1	30 6 30 6		91.0	97.0 93.9	95.8	94.5	94.F	93.5 95.2 96.5	95.2 96.8	93.5	93.5 95.2 97.1	93.5 95.2 97.1	93.5 95.2 97.1	77.1
≥ 500 ≥ 400 ≥ 300	17.3	74.1	8 .6	16.4 46.4	92.6	3.9	95.8 95.8		56.1 96.4	96.5	97.1	97.1	97.1	1	97.4	97.4
≥ 200	47.5	70.1 70.1	9 .6	16.4	92.6	13.9	95.8	96.4	96.4	28.1	98.7	98.7		79.7	99.7	
≥ 100 ≥ 0	47.3	74.1	$A \cap \bullet G$	36.4	92.6	23.0	95.8	70.4	96.4	78.1	99.3	- 1		100.0		

TOTAL NUMBER OF OBSERVATIONS 301

DIRNAVOCEANMET SMOS

48

418

414

1#

18

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ '.	≥ 0
NO CEILING	7.4	₹4.	31.7	7 6	35.6		35.6	35.6	35.6	35.6		35.6		35.€	31.00	
≥ 20000		36.00	3 ' • '	39.2	3:•1	٠٤.2	33.2	73.2	3:.7	30.5		39.5	34.5	35.5		7: • 5
≥ 18000 ≥ 16000		36.9 36.9	37.4	30.2	35.2	73•2¦ 23•2¦	3# ± 2 35 • 2	35.2	3 . 2	3 - 5	30.5	38.5	73.5 7.5	30.5	35.5 35.5	रहु•्र 33•5
≥ 14000		77.	38.9	74.2	39.2	39.2	39.2	79.2	32.7	30.5	30.5	37.5	30.5	79.3	39.5	77.5
≥ 12000	11.1	40.5	41.4	41.6	41.8	41.00	41.4	41.8	41.5	42.1	42.1	42.1	42.1	42.1	42.1	60.1
≥ 10000	74.7	44.0	4 . 2	45.6	45. e	45.0	47.06	45.6	45.6	45.	46.5	46.5	46.5	96.C	45.7	46.0
≥ 9000	3 - 1	44.7	4	44.3	45.	45.3	46.3	46.3	44.3	40.6	46.6	46.6	46.6	46.6	45.6	45.6
≥ 8000	انوناز	47.5	47.5	47.3	40.0	49.0	40.0	49.5	49.0	77.2	50.2	20.5		20.5	50.2	50.0
≥ 7000		49.5	31.5	51.9	51.8	11.5	=1.2	-1.8	51.2	52.1	52.1	52.1	52.1	52.1	52.1	
≥ 6000 ≥ 5000		1.1	50.7 34.4	53.1	73.1 54.7	53.1 54.7	53.1 54.7	54.7	53.1	55.0	57.4	53.4	•	53.4 55.0	53.4	93.4 69.
<u>├</u> ──	7.0 0	5.4		95.3	55.3	65.3	55.3	-5.3	95.1	55.7	35.7	55.7		E 5 . 7	5 T . 7	
≥ 4500 ≥ 4000	ء ون	5.3	57.	57.3	57.3	7 . 3	57.3	57.3	57.3	57.6	57.6	57.6		57.6	57.5	57.6
≥ 3500	-1.4	57.7	57.6	59.9	57.0	49.6	59.9	59.9	57.9	50.0	50.2	50.2	61.2	66.2	67.7	1.3.2
≥ 3000	3 • 1	• C • €	52.5	63.1	65.1	: 3 - 1	63.1	53.1	63.1	F3.4	43.4	53.4	+7.4	.3.4	67.4	. <u> 3 • 9</u>]
≥ 2500 > 2000	4 . 4	4 • 1	65.0	66.3	56.7	16.7	66.7	-66.7	5 - 7	67.0	67.	67.0	67.3	67.	67.0	67 • f
}- 	*** 5		7	73.5	74.1	74.1	74.4	74.4	74.4	1468	74.5	4.8	74.	74 • 3	74.9	. (4.6.2)
≥ 1800 ≥ 1500	- 1	75 • 1	74.4	75-1	75.7	75.7	76.1 81.0	76.1	76.1 81.0	82.2	16.4	52.2	70 • 4 97.7	76.4	76.4	32.
	• •	72.	9 . 9	33.5	84.5		65.4			95.8	***	25.4	5.4	35 5	V C . C	
≥ 1200 ≥ 1000	1.1	75.6	81.0	34 . 8	26.4			77.4		87.7	87.7	87.7	87.7	77.7	37.7	27.7
≥ 900	1.	74.7	82.2	25.1	57.4	47.7	88.4	59.7	85.7	34.	39.7	89.0	89.0	89.0	80.5	87.0
≥ 800	-1.5	79.3	82.5	26.1	38.4	6.7	89.3	€9.6	89.6	9: 3	20.3	90.3	97.6	90.6	Y5.6	90.6
≥ 700	1.5	77.7	82.9	5. A _{1. 19} . 86		H9.3		c1.0	91.0	05.6	92.6	92.6		65.8	92.9	27.9
≥ 600	i	20.8	83.5	97.1	37.3	90.3		03.2	53.5	94.5	94.5	94.5			94.8	94.8
≥ 500 ≥ 400	1 • F	79.8		97.4	80.6	.0.6	72.9	78.2	94.5	95.5	1	95.5	96.1		96.1	c 6 • 1
	1.	79.6		98.7	30.3	31.6	93.9		95.5	95.4		76.4	97.4	97.4	97.4	07.4
≥ 300 ≥ 200	1.5	79.6 79.6	83.8 83.8	88.7 33.	90.3	71.6	94.2	75.5	95.3	96 • 8 98 • 1		96.4	97.7		97.7	
	1.1	79.5		18.	70.3	71.6	94.2	76.4	96.3	98.4	98.7	99.7			100.0	
≥ 100 ≥ 0	1.5	70.6		08.17	97.3		94.2	76.4	76.0	98.4	1	98.7	-			100.0

TOTAL NUMBER OF OBSERVATIONS 355

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			VISIBILITY (STATUTE MILES)													
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 114	≥ 1	≥ 4,	≥ %	≥ %	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000		32.1	34.0	34.6	₹#	13.0	35.0	34.0	33.0	35.1	25.1	35.1	77.1	(35.1	
≥ 18000	27.6	35.8	37.7	76.3 58.3	3.00		33.9	30.9	33.0	39.0	39.1	39.1 39.1	39.1	39.1 39.1	$\frac{39.1}{35.1}$	30.
≥ 16000	7.0	36.4		7 H . 3	37.6	<u> </u>	37.9	79.9	30.0	79.0	39.1	37.1	,3.1	39.1	19.1	39.
≥ 14000 ≥ 12000	27 • 34 28 • 7	36 e f	35.3	7 1 . 6 39 . 9	39 • · i	39.2 40.5	39.4 40.7	40.7	47.7	39.5	30 € € 40 • 8	37.5	47.8	39.5	30.5 40.8	1
≥ 10000	11.	41.5	42.9	43.7	44.2	44.4	44.6	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	
≥ 9000	1.,	41.	47.7	44.0	44.5	44.8	44.7	44.9	44.9	45.0	45.3	65.7	45.0	45.0	45.5	4
≥ 8000	73.	45.2	46.0	47.5	47.1	48.4	48.5	48.5	45.5	46.6	46.6	48.5	44.6	48.6	48.6	46.4
≥ 7000	34.5	45.0	47.7	40.5	40.1	49.4	49.5	49.5	40.5	49.€	49.6	47.6	47.6	40.6	49.6	40.
≥ 6000 ≥ 5000	7 7	45.5	4° • 6	40.4	50.1 51.7	50.3	50.5	\$0.5 \$2.7	50.5 52.2	50.6	50.6 52.3	50.6	50.6	57.6	50.6	50.0
≥ 4500	5 - 6		51.	1.9	52.€	:2	53.1	73.1	53.1	53.2	5 9 . 2	53.2	53.2	53.2	5 3 . 2	5 7
≥ 4000	11. 5	90.0	5 7. 7	23.6		54.8	55.0		>5.0	55.1	55.1	55.1	55.1	55.1	55.2	
≥ 3500 ≥ 3000	•	53.3	55.6	56.8	57.8	-5.	58.3	18.3	58.7	53.4	55.4	58.4	51.4	58.4	38.5	50.0
			59.5	61.1	67.4	12.7	63.0	- <u>3 • -</u>		2301	66.0	-300	-	03.7	030	بعين.
≥ 2500 ≥ 2000	41.0	- 60 • 0] - 65 • 2'	67.8	70.7	65.0 72.5	73.	73.7	73.7	56.7 73.7	74.	74.7	74.6	74.5	74.0	74.1	67.
≥ 1800 ≥ 1500	+4.	€5.9	64.3	71.6	77.5	74.1	74.7	74.8	74.9	75.	75.1	75.1	75.1	75.1	75.1	75.
= 1300	•	<u> </u>		75.0	77.2	78.7	77.0	75.9	79.0	79.2	78.0	79.2	17.2	1906	10-1	† <u>73</u> •-
≥ 1200 ≥ 1000	45.4	71.2	74.5	77.6	47.6	53.7	82 • 5	12.7	32.7	83.0	63.1	86.7	66.2	35.1 S6.2	85.1 86.3	83.
≥ 900	-	71.8		F4	24.7	85.2	86.7	97.3	67.4	57.8	57.0	57.9	87.7	87.9	58.0	20.0
≥ 800	40.4	71.9	77.0	31.0	84.8	16.1	87.9	9.49	24 5		89.3	89.4	89.5	89.5	89 6	
≥ 700 ≥ 400	21 1	72.0	77.2	81.2	95.4	56.8	89.0	04.9	89.9	95	\$1.3	91.1	31.2	91.3	91.3	51.
	-		77.4	91.7	85.1	P7 . 5	91.4	61.5	91.7	92.7	93.1	73.2	97.5		23.5	
≥ 500 ≥ 400	44.4	72.1	77.5	82.0 82.1	36.E	98.5 59.1	91.5	92.8	93.0	94.4	95.0	95.1	95.5	96.2	95.7	1
≥ 300	46.4	72.1	77.7	82.3	87.2	29.2	92.3	94.1	94.4	96.	95.9	96.9	97.7	97.7	98.7	98.
≥ 200	46.4	72.1	77.7	82.2	67.2	19.2	92.6	04.4	94.6	96.5	97.5	97.6	98.6		99.2	
≥ 100 ≥ 6	46.4		77.7	82.2	87.2	39.2	92.6	94.4	?4.7 94.7	96.7	97.8	97.8	99.9		99,7 99,7	99.9

TOTAL NUMBER OF OBSERVATIONS

2475

DIRNAVOCEANMET SMOS

41

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	?-• 1	I	· •	44	47.7	47.4	47.7	47.9			1	47.9	47.0		47.7	,
> \$0000	3.0	48.04	57.7	7.04	53.4	52.7	57.0	3.1	53.2			-53-3	57.3		53.4	63.4
≥ 18000 ≥ 16000	• **	01.3	S' • *	51.5	5.7.5	* 2 · 例	53.1	3.7 • 3	58.3		53.4	53.4	53.5	1	53.5	52.5
<u> </u>		* ° • 3	3/ • 7	1.0		2.3	\$3.2	3.3	بوتي	2304		5304	77.5	530	4	
≥ 14000 ≥ 12000		# 6 € €	5 . 7	53.2	52.5	3.2	53.5 54.8	3.6	53.f	53.0	58.9	53.8	53.8 55.2	,	53.5 - ** *	53.7
	1.6			57.2	57.3	55.7	39.1	13.2	59.2		52.4	59.4	2 7 . H	59.4	3305	•, -′ ₹~~-
≥ 10000 ≥ 9000	1.1	53.8	54	57.6	52.7	7.1	59.5	F 7 . 6	57.7	34 a ë	57.8	53.6	50.9		59.0	53.4 53.9
		47.4		72.0		03.5	64.2	-4.4	54.4	64.5	54.6	64.6	64.6		64.5	
≥ 8000 ≥ 7000			61.5	63.3	64.6	A5-1	55.6	- 1	55.7	65.9	65.9	65.9	66.0	65 . 3	66.0	66.0
	11 5 4	₹9. g	63.4	U4 . 1	65.5	16.0	66.5		76, 7	56.5	65.0	66.9			56.4	66.0
≥ 6000 ≥ 5000		-1.1	64.3	45.5		FB . 3	65.5	4.7	64.7	í . I	ي. د د د	52.9	60.0			69
≥ 4500	47.		55.7	£7.	5 4 . 5	62.1	60.1	19.8	6.5.6		77.0	77.3	70.0		77.	7. 1
≥ 4000		= 3 - 7	67.1	54.5	70.7	71.3	71.5	72.	72.1	72.2	77.3	72.3	72.3	77.3	77.3	
≥ 3500	. 1	15.5	57.1	71.1	77.0	73.6	74.1	74.3	74.4	74.5	74 . 6	74.6	74.6	74	74 .+	74.7
≥ 3000		63.7	72.5	74.7	76.9	77.5	78.2	79.4	77.5	76.6	76.7	78.7	70.8	78.3	75.6	7 (
≥ 2500	7.1	73.7	74.3	77.2	77.4	16.00	37.3	61.2	41.2	31.4	81.5	61.5	1.5	91.5	61.5	1.0
≥ 2000	1.4	73.3	77.6	AL. 3	82.7	13.6	34.5	6.40	84.9	85.1	55.7	35.2	35.2	95.2	85.3	35.3
≥ 1800		77.	7.00	50.9	37.4	- 4 - 4	55.2	55.6	35.5	85.5	85.9	45.9	74.	36 .	85.0	์ ซื้อ 🗖
≥ 1500	4 - 1	75.7	37.1	53.0	12 . 0	8.62	87.6	1.8.3	68.7	53.6	3A.7	8 E . 7	€2.2	98.8	48.6	8.9
≥ 1200	. H . T	71.	A1.2	- 4 . 4	57.3	1 P . U	84.5	¥3•1	90.1	97.4	30.5	97.6	94.6	9∴.€	92.5	75.7
≥ 1000		76.7	82.1	65.6	38 . 8.	5 !	91.4	23.0	S2.1	02.4	96.6	92.6	77.7	52.7	97.7	22.8
≥ 900	4.5	77.1	A	65.9	60.3	7.1.7	92.1	12.7	97.8	93.0	23.4	73.4	27.5	53.5	93.5	23.5
≥ 800	4.5	17.2	87.7	25.4	9, 9,	(1.4	92.9	93.6	73.7	34.5	34.4	94.4	94.5	54.5	94.5	\$4.6
≥ 700	4 . ,	77.4	8 7 . 1	16.7	97.4	71.9	73.5	54.3	94.5	95.	95.3	95.3	95.4	95.4	75.4	95.5
≥ 600	4		83.2	6.9		32.4	34.1	75.0	95.5	75.3		25.1	96.2	96.2	76.5	25.4
≥ 500	14.1			87.1	91.1	2.3	94.7	05.7	95.0		97.	97.1				
≥ 400	4 . 13			7.2	91.3	73.0	95. 0	76.2	36 3	97.3	47.7		39.7	78.0	98.1	35.1
≥ 300	44.0	77.6		F7.3	1	73.1	95.2	36.4	06,5			93.2	98.6			9.8
≥ 200	4 , 7			17.3		3.1	95.2	-5.5	76.7		94.5	95.5			99.3	99.4
≥ 100 ≥ 0	4 6		1 1	57.3)	3.1	95.2	76.5	36.7	, ,	99.6		09.7		30.6	
سستا	4 . 5	77.6	.5 7 . 4	57.3	91.4	43.1	95.2	76.5	96,7	27.9	98.6	98.5	6005	99.3	39.6	1.C.C.C

TOTAL NUMBER OF OBSERVATIONS

SKY COVER

19855 SEESVIEW, IL

3

77-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
MONTH	(L.S.T.)	0	1	2	. 3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.		
JAN	."3	20.1		<u> </u>	10.6						10.3	51.0	A.3	310		
	73	25.0		·	11.7			; +			13.6	49.4	6.2	310		
	n _a	28.3		·	11.3			ļ			11.3	49.2	6.3	311		
	22	10.5		•	11.9					: 	16.4	52.1	7.0	311		
	12	15.5			15.2	 			L <u>-</u>	! -	18.1	50.3	7.1	310		
	15	15.8		<u> </u>	12.6					<u> </u>	23.9	47.7	7.3	310		
	1%	19.4			15.2					 	14.8	50.0	6.8	310		
	,1	24.2			10.3				L	ļ 	13.2	52.3	6.7	315		
<u></u>		i										ļ 				
	L								· 			} 				
												Ĺ				
	I															
fo	TALS	22.6			12.3						14.5	50.3	6.7	2482		

NAVWEASERVCOM

14855 GLENVIEW, IL

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
EB	מים	26.2			13.3		Í 	ļ		: 	12.1	47.9	6.3	25.5
	۲3	27.3			12.4			<u> </u>	, 		13.5	46.8	6.3	252
	Db	19.4		<u> </u>	21.6				 		12.3	47.2	6.5	242
	79	17.8			15.2		! 	ļ 		<u> </u>	18.1	52 . 8	7.4	282
٠	12	14.2			16.3		! , *	ļ		 	17.4	52.1	7.3	2,32
	15	12.8			17.5				: 	i 1	26.6	43.6	7.3	232
	1 -	17.7			15.6		ļ 				17.0	49.6	1.7.0	2 - 2
	21	24.8		:	:14.2				· -		14.2	46.8	5.4	2 7 2
							1			! !		<u> </u>	.4	
		i								į Į				
							L		, 		<u> </u>	<u> </u>	<u> </u>	
										!				
10	TALS	19.4			15.8						16.5	48.4	6.8	2256

1-355 GLENVIEW, IL

73-82

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	IS OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
MAR	าต	28.1	 		11.4				ļ 	<u> </u>	10.0	50.0	5.3	310
	. 03	28.3	 		10.6	·			ļ		11.0	50.3	6.3	310
	<u> </u>	17.7	 	i 	19.7			ļ 		i i	15.2	47.4	6.7	310
		16.3		· 	13.2	·				i I	20.0	50.0	7.2	310
	12	11.0		; 4	17.4			<u> </u>		<u> </u>	20.3	51.3	7.5	310
	15	5.4			17.1				1		23.5	50.0	7.6	310
	13	12.3			16.1						23.2	48.4	7.4	310
	21	26.1			14.2						12.9	46.8	5.3	310
	 				-						+	;		
	 					 -			-		+	-	-	
	 	1		<u> </u>										
101	TALS	18.7			15.0			*****			17.0	49.3	6.9	2+80

19855 BLETVIEW, IL

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	Ţ			PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
20	טפ	31.3			13.7		<u> </u>	ļ			12.7	42.3	5.8	3f ()
	7.3	3~.3			14.3				·		15.0	40 • 3	5.8	
	- ^ h	20.0			17.3	··	•	·	; +		-19.3	43.3	6.6	310
	84	17.7		·	19.0				·	·	19.3	45.C	6.9	300
	12	11.7		 	15.7			·		• =	25.0	47.7	7.5	310
	1 °	11.		L	i _{17.2}		·			•	23.7	148.3	7.5	_ /25
	1.4	17.			15.3			•	•			44.7	7.4	300
	21	30.7		<u> </u>	15.0		1		•		12.7	42.3	5.8	375
							i 	<u>.</u>	.					
	<u>.</u>				. .		!	<u> </u>		. —		···		
		i 1								i				
					,					i I	į į	i	;	
101	TALS	20.			15.2						19.3	44.2	6.7	24.

1 < 55 CLETVIEW, IL

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS				PERCENTAC	SE FREQUENC	CY OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF	NO OF OBS
*: A Y	^C	31.6		: 	22.3		 	L			13.2	32.3	5.1	310
	ng	20.4			19.7	·	i .	· · · · · · · · · · · · · · · · · · ·			15.9	36+1	5.6	
		27.6		·	. Sr • 8	·					14.0	39.7	6.3	310
	····.	19.0	·		19.7	:	:	-	····		22.3	39.7	5.5	312
	. 12	12.6			21.6						29.1	36.2	6.9	312
	15.	15.2		.1	16.5			· 		,	37.6	37.7	7.0	310
	12	17.2			21.3						27.1	38.4	F.9	312
	71	25.			27.3	•					16.9	37.1	5.8	110
	·	1							·					
				1										
				!										
						; :	· · · · · · · · · · · · · · · · · · ·		· +					
101	TALS	20.9			20.6						21.3	37.2	5.2	2485

14655 DEENVIEW, IL

STATION NAME

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73-82

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENT	S OF TOTAL	SKY COVER				MEAN — TENTHS OF	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS
.101 rs		31.7		· · · · · · · · · · · · · · · · · · ·	.22•"	:		•	<u>.</u> .	· • ·	20.7	25.7	.1	, , , s
	n ;	31.7			22.0					.	15.7	27.7	5.1	311.5
		17.7		: 	25.7						24.7	22.	2	370
-	• 1	1:.7		· 	17.7	· · · ·					7 7 7	31.7	. + . 5	3€
	1 7	17.0			21.7				-		29.7	36.7	7."	- 0
	13	_ · • •			27.7						35.7	21.3	7."	
	1.	14.			24.3					_	20.7	31.3	1.5	; ···
	71	22.			21.43						71.7	28.0	~.s	1.0
	_													
		1						7						
						· · · · · · · · · · · · · · · · · · ·		1		:				
TO	TALS	17.8		1	27.3	<u></u>		1		*	26.5	30.5		24.7.

1 - 55 CLE (754, IL

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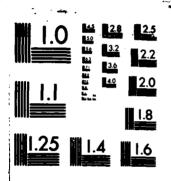
73 4 07

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAC	E FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER	1			MEAN TENTHS OF	TOTAL NO OF
MONTH	(L 5.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
JI.L	15	41.6			2:.2		. –		•		17.7	19.1	1	11.
	n3	3 / • 7			27.2						16.1	23.5	4.5	71
	·	21.7			27.7		·			+ ·] ·· • 7	11.3		!12
		24.2			?1.0						25.5	28.1	٧.4	711
	1.	12.5			27.4			-			12.0	17.1	• t.	: 1
	11.	17.0			31.5						31.4	24.2	2	73.
	. 1	14.5			11.7						12.3	22.3	1	-1.
	1	27.5			33.5						27.2	21.0	4.7	311
			_							. .		- •		
						.								
		1		. 4						•				
									<u>.</u>		· + = =	- .	.	
то	TALS	2.			.=	•						24.5	5	

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MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A



14855 GLERVIEW, IL

STATION NAME

73-82

AUS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAC	SE FREQUENC	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
NUG	00	31.6			25.2						16.5	26.8	4.9	310
	03	30.3			25.8						18.7	25.2	5.0	310
	06	14.2			31.6						27.1	27.1	6.1	310
	09	13.5			29.4						24.8	32.3	6.3	310
	12	9.4			26.1				··		36.8	27.7	6.9	310
	15	9.4			27.4					ļ	33.9	29.4	6.8	310
	18	11.6			27.1						33.5	27.7	6.6	310
	21	25.2			29.7						19.7	25.5	5.2	310
<u>-</u>														· · · · · ·
101	AIS	18.2			27.8		<u> </u>				26.4	27.7	6.0	2480





14855

GLENVIEW, IL

73-82

SEP

STATION

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAC	E FREQUENC	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
SEP	00	36.3			22.0						15.7	26.0	4.7	300
-	03	38.7			17.3						15.0	29.0	4.8	300
	06	20.0			28.3						21.0	30.7	5.8	300
	09	19.0			28.0						24.3	28.7	5.9	300
	12_	14.3			26.3						32.3	27.3	6.4	300
	15	15.7			28.0						27.0	29.3	6.2	300
	18	18.7			30.3						24.7	26.3	5.8	300
	21	36.0			23.0			<u> </u>		-	15.0	26.0	4.6	300
tot	ALS	24.8			25.4						21.9	27.9	5.5	240(





14855

GLENVIEW, IL

73-82

OCT

STATION

TATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOT	ALS	25.5			21.1						20.6	32.9	5.8	2460
					ļ									
	21	33.2			17.7						16.5	32.6	5.3	310
	18	22.3			18.7						22.3	36.8	6.2	310
	15	14.2			25.2						25.2	35.5	6.6	319
	12	15.5			22.3						29.7	32.6	5.6	310
	09	20.0			23.2						24.5	32.3	6.1	310
	06	21.0			29.7						20.0	29.4	5.6	310
	03	38.4		<u> </u>	17.7						13.5	30.3	4.8	310
OCT	00	39.4			14.2						12.9	33.5	4,9	310
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
MONTH	HOURS				PERCENTAC	SE FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF



14855

GLENVIEW, IL

73-82

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

101	TALS	19.0			16.0						16.9	48.2	6.8	2400
	21	21.3			12.3						16.3	50.0	6.8	300
	18	17.0	- · · · ·	ļ	15.3						19.0	48.7	7.0	300
	15	11.7			15.3						24.3	48.7	7.5	301
	12	11.7			20.7						22,3	45.3	7.2	300
	09	13.3		<u></u>	21.3	<u> </u>					16.7	48.7	7.0	300
	86	22.3			17.0						13.0	47.7	6.4	300
	03	27.7			13.7	, 					11.0	47.7	6.2	300
NOV	00	26.7			12.0						12.3	49.0	5.4	300
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
	HOURS				PERCENTAG	E FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF





14855

GLENVIEW, IL

73-82

DEC

STATION

STATION HAME

PERIOD

HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

701	TALS	16.3			13.9						15.5	54.4	7.3	2470
												ļ		
	21	22.0			11.0						11.7	55.3	6.9	30
	18	14.9		_	18.8	·					13.9	52.4	7.1	30
	15	7.7			15.8						22.6	53.9	7.9	31
	12	9.4			13.9						23.9	52.9	7.9	31
	09	11.6			14.2						17.4	56.8	7.7	31
	D6	21.3			14.5						10.0	54.2	6.8	31
	03	22.9			10.3	· ·					13.2	53.5	6.9	31
EC	00	20.6			12.3	· · · · · · · · · · · · · · · · · · ·					11.0	56.1	7.0	31
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. O



14855

GLENVIEW, IL

73-82

ALL

STATION

TATION NAME

PERIOD

HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAC	SE FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER	1			MEAN TENTHS OF	TOTAL NO. OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
MAL	ALL	22.6			12.3						14.5	50.3	6.7	2482
FEB		19.4			15.8						16.5	48.4	6.8	2256
r ar		18.7			15.0					<u> </u>	17.0	49.3	6.9	2480
APR		20.7			15.8						19.3	44.2	6.7	2400
MAY		20.9			20.6						21.3	37.2	5.2	2480
JUN		19.8			23.3						26.5	30.5	6.1	2400
JUL		24.0			27.0						24.6	24.5	5.5	2480
AUG		18.2			27.8						26.4	27.7	6.0	2480
SEP		24.8			25.4						21.9	27.9	5.5	2400
oct		25.5			21.1						20.6	32.9	5.8	2480
NOV		19.0			16.0						16,9	48.2	6.8	2400
DEC		16.3			13.9						15.5	54.4	7.3	2478
10	TALS	20.8			19.5						20.1	39.6	6.4	29216





NOCD, Federal Building Asheville, N. C.

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
- 2. Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- b. Extreme minimum temperature
- 3. <u>Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.</u>
 This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means (\overline{X}) , and standard deviations (σx) . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
- derived from hourly observations and is presented by month and annual, all hours and years combined.

 The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).



DAILY TEMPERATURES

10055	GLESVIEW, IL	45-67	
STATION	STATION NAME	YEARS	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
2	1.70						• 3	• 4	•3	• 2				• 1
Λ	68						1.9	4	3.4	1.1				٥
۸ı	9.0				1	2.1	13.1	16.3	14.7	4.8				u • 5
2	85				1.0	9.1	29.7	40.2	33.7	13.7	1.4			19.9
۸	3.0			1	4.3	20.3	47.5	65.8	57.0	28.2	6.5			19.5
Δ	75			1.3	9.3	33.1	65.4	85.4	81.3	45.2	14.8	. 3		29.4
≥	70		.1	2.9	20.1	46.0	79.7	96.1	94.3	65.1	26.0	2.5	.1	36.6
2	55		. 4	6.5	30.1	59.9		99.1	99.3	83.8	42.5	7.7	. 4	43.7
≥	<u> 60</u>	.5	1.2	11.8	41.5	73.5	95.7	100.0	100.0	94.5	60.1	15.6	2.5	50.2
∆	5 5	1.9	3.3	18.2	54.1	84.7	98.9			99.1	76.5	27.1	5.7	56.3
2	50	4.0	7.8	28.2	67.9	94.5	79.8			99.9	90.0	41.8	9.3	62.3
≥	ĄĘ	8.8	14.7	39.6	82.9	98.6	100.0		1	100.0	96.3	55.4	16.0	62.1
≥	40	16.7	25.3	57.1		100.0					99.2		29.1	74.9
≥	35	34,9	46.1	76.8	98.6						100.0	85.5	51.7	83.C
≥	3.7	55.6	67.0									94.9	72.0	90.1
≥	25	69.0	91.6	97.4	100.8							98.0	84.4	94.2
≥	20	79.3		99.5								99.3	92.2	91.8
≥	15	86.9	94.6	99.9								79.6	96.3	98.1
	15	93.1	97.6	130.0								99.9	98.7	99.1
≥	5	96.8	99.2									100.0	99.7	99.6
≥	<u>C</u>	99.4	79.9										190.0	96.9
≥	5 -	99.7	100.0											100.0
2	1:-	100.0												199.0
≥														
2												ļ		
2														
≥												ļ		
≥				-										
≥							ļ					ļ		
_										<u> </u>				
≥														
2														<u> </u>
≥				ļ			ļ			·				-
≥														
≥						7.4							- TA - A -	
	MEAN	50.4	33.5	43.4	57.1	68.1	78.2	82.4	81.2	73.7			34.8	37.6
	\$. D.	12.226						7.382				11.591		21.570
Ļ	TOTAL OBS.	1147	1036	1115	1110	1177	1140	1178	1147	1090	1147	1106	1177	13570

NAVWEASERVÇON





DAILY TEMPERATURES

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥	0 (_ i					1	•0
≥	75						1.3	2.8	2.6	• 2				. 5.
≥	7.3				• 1	1.1	F.D	17.2	14.5	4.1	• 3			7.0
≥	4.5				. 5	5.1	24.4	48.0	44.1	14.2	1.8			11.7
≥	5 (2.9	11.9	45.1	78.9	73.5	32.9	5.5	• 1		21.2
≥	t, 5			• 3	5.0	21.5	67.1	94.4	91.1	53.0	14.6	1.9	. 3	29.5
≥	* *			1.3	11.1	40.4	88.2	99.5	98.5	75.5			. 6	37.8
≥	45	. 3	. 3	4.3	23.2	64.9	47.5		100.0	90.6	47.4	11.2	1.6	4°.6
≥	4.1	• 3	1.4	9.9	44.1	86.3		100.0		97.7	69.7	22.5	3.4	53.4
≥	3 %	3.9	5.5	21.4	68.7	97.5				99.6	86.5	38.5	9.0	41.3
≥	70	13.0	20.3	47.3	89.1		100.0			100.0	96.4	63.5	25.5	71.6
≥	2 "	28.0	36.8	67.3		100.0					9.4		43.2	7C . 8
≥	7 "	40.6	53.7		99.4						100.0		60.0	85.6
≥	1.	52.4	65.0	91.0	77.9							95.5	71.2	89.7
2	19	63.0	76.1	96.9	100.0							98.1	F3.4	93.2
≥	5	73.7	85.3	98.7								99.0	90.1	05.6
≥	C	84.3	91.8	99.6								99.5	95.1	97.5
≥	5 -	92.6	97.1	99.9								100.0	58.2	99.3
≥	10-	06.9	99.5	100.0									79.6	99.7
≥	15-	99.0	99.9										100.0	99.9
≥	20-	99.9	130.0											100.0
≥	25-	100.0							_					100.C
≥														
≥														
≥								-						
≥														
≥									-					
≥														
≥														
2														
≥														
≥														
2														
2														
2														
-	MEAN	14.0	1 7 0 0	58 ●£	34.0	48.4	34.5	54.1	63.2	55.4	44.4	32.3	21.2	40.6
	\$. D.	13.344		0.548	8.536	8.382						10.327		19.431
	TOTAL OSS.	1147	1036	1115	1115	1177	1140	1178	1147	1090	1147	1106	1177	13577



DAILY TEMPERATURES

14.55 STATION	SLENVIEN, IL STATION NAME	4 5 = ? 7 YEARS	
		NTAGE FREQUENCY OF OCCURRENCE	<u> </u>

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥_`	3.5						- 1	. 1						
≥ _	4 1						9	3.2	2.9	4				
≥	27.					1.5	9.5	16.0	12.3	3.7				3.4
≥	75				. 6	4.9	27.5	45.0	38.1	13.3	1.2			11.1
≥	7:3				2.3	15.1	47.4	72.9	67.7	28.5	4.9			20.2
≥	65			.2	t.1	27.2	68.7	93.5	89.3	50.4	13.1	. 6		20.5
≥				1.6	14.6	42.8	84.0	99.2	98.8	73.6	26.2	3.4	• 2	37.5
≥	<u>55</u>		• 2	4.5	27.6	63.4		100.0	100.0			8.6	. 9	45.3
≥	<u> </u>	• 6	1.1	10.8	42.5	85.4	99.5			97.9		18.3	2.0	52.2
≥	45	1.7	3.3	18.1	60.5					99.9	84.3	31.3	5.6	59.7
≥	4.7	5.3	9.6	33.7	80.1	99.1	100.0			100.0	95.2	51.1	12.2	65.5
≥	35	14.3	22.6	52.9	94.7	100.0					99.1		26.7	73.7
≥		30.7	42.8	74.7						Ĺj	ç 9. 9		48.4	91.9
2	21	47.5	59.9	87.9	99.6						170.0		67.3	88.1
≥	<u> </u>	61.2	73.8		100.0							97.2	80.0	92.4
≥	15	72.1	84.2	98.7								98.7	88.9	95.3
≥		82.5	72.8	99.8								99.6	93.5	97,4
≥	۲,	89.9										99.8	97.9	98.7
≥		75.1	98.5	170.0	·							100.5	99.3	99.4
≥	<u> </u>	98.6	100.0										99.9	99.9
≥	10-	79.6											100.0	100.0
≥	15-	100.0										·		150.0
≥							·							
≥														
≥														
≥			·											
≥										-				
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≥				ļ										
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≥													#	
≥														
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≥														
≥														
	MEAN	72.1	26.3	36.	8.03	38.5	68.6	73.5		64.8	53.8	39.9	28.3	49.4
	\$. D.	12.357										10.478		20.550
	TOTAL OBS.	1147	1036	1115	1110	1177	1140	1178	1147	1090	1147	1106	1177	1357C

DAILY AVERAGE/EXTREME TEMPERATURES

1 . 31

TLEN TEN. IL

1946-1982

YSAUASY

STATION

STATION NAME

YEARS

MONTH

	MEAN TE	EMP		M	AXIMUM TE	MP				AINIMUM TE	MP	
	AVERA	GE	AVERA	GE	EXTR			AVERA	3E	EXTR	EME	
DAY	° F	°c	°F	°C	°F	°c_	DATE	°F	°c_	°F	°c	DATE
1	23.	-4.7	29.8	-1.2	4	8.9	1950	17.4	-8.1	-11	-23.9	1968
2	25.1	-3.9	31.1	- , 5	5 °	15.1	1950	19.1	-7.2	-13	-25.0	1979
3	23.0	-4.6	30.9	5	59	15.7	1950	16.6	-8.6	-11	-23.9	1979
4	.0.3	-6.5	27.2	-2.7	46	7.8	1946	13.4	-16.3	-7	-21.7	1981
5	72.4	<u>-5.3</u>	29.9	-1.2	54	12.2	1946	14.8	-9.6	-0	-22.2	1979
6	27.1	-4.9	30.1	-1-1	43	8.9	1965*	16.1	-8.8	- 8	-22.2	1979
7	1.1	-6.1	27.9	-2.3	56	13.3	1965	14.3	-9.8	-12	-24.4	1966
8	11.3	-6.1	29.0	-1.7	61	16.1	1965	13.1	-1:.5	-11	-23.9	1976
9	11.0	-6.1	27.8	-2.3	4 🤈	9.4	1972	14.1	-9.9	-2.	-28.9	1985
10	7.1	-6.3	28.6	-1.0	60	15.6	1975	12.6	-1:-3	-23	-31.6	1982
11	• 1	-6.6	26.2	-2.1	5.5	12.8	1980	11.9	-11.2	-12	-24.4	1979
12	1.7	-5.7	29.2	-1.6	5 '	14.4	1960	14.1	- 3 · 8	-11	-23.0	1974
13	23.	-4.5	31.4	3	54	12.2	1761	15.2	-8.8	- 6	-21.1	1963
14	23.	-4.7	31.6	- · B	53	11.7	1952	16.7	-8.5	-12	-24.4	1979
15	2.1	-5.5	3 • 1	-1.1	5	15.7	1949	14.1	-9.9	-16	-26.7	1979
16	1	-6.9	27.5	-2.5	56	13.3	1949	11.6	-11.3	<u>-^0</u>	-25.9	1982
17	3.1	-6.6	27.8	-2.3	5 -	14.4	1973	12.5	-17.8	-18	-27.8	1982
18	~2•	-5.1	30.5	8	56	13.3	1973	15.1	-9.4	-11	-23.9	1967
19	27.	-4.6	31.5	3	51	10.6	1973	16.1	-8.8	-6	-21.1	197
20	2 .4	-4 . 8	31.0	6	4.5	7.8	1967	15.7	-9.1	-9	-22.8	1963
21	23.	-4.6	70.4	c	5 f	13.3	1957	17.1	-3.3	-15	-26.1	1963
22	22.0	-5 c	30.8	7	55	12•°	1967*	15.2	-9.3	-10	-23.3	1977
23	2.3	-5.4	30.4	9	6 "	15.6	1967	14.2	-0.9	-13	-27.8	<u> 1963</u>
24	24.2	-4.3	32.5	• 3	64	17.8	1967 ₩	15.9	-8.9	-12	-24.4	1963
25	20.5	-4.2	32.2	• 1	67	19.4	1950	16.9	-8.4	-7	-21.7	1963
26	71.	~5.8	29.0	-1.7	59	15.7	1973	14.0	-10.0	-9	-22.8	1932
27	19.5	-6.9	26.6	-3.D	4,2	8.9	1947	12.5	-10.8	-11	-23.9	1955
28	10.4	-7.a	27.2	-2.7	51	10.6	1979	11.5	-11.4	-16	-26.7	1977
29	1 - 9	-7.3	26.5	-3.1	51	10.6	1068	11.4	-11.4	-17	-27.2	1966
30	17.4	-7.8	25.9	-3.4	54	12.2	1974	9.9	-12.3	-20	-28.9	1951
31	17.9	-6.7	28.7	-2.7	50	10.0	1968	11.0	-11.2	-6	-21.1	1971
lonthly	1.4	-5.6	29.3	-1.5	67	19.	1950	14.4	-9.8	-23	-30.6	1982

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

1 ~ 55	TLEN TEW, TL	1945-1982	FFBRUARY
STATION	STATION NAME	YEARS	MONTH

	MEAN T	EMP		M	AXIMUM TE	MP				MINIMUM TE	MP	
	AVERA	GE	AVERA	GE	EXTR	ME		ÄVERAC	i E	EXTRE	ME	
DAY	° F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE _
1	1.	-5.7	29.2	-1.6	55	12.8	1968	14.4	-9.8	-9	-22.0	1951
2	1 7	-6.7	27.4	-2.6	4 8	9.9	1973	11.7	-11.3	-16	-26.7	1951
3	20.4	-6.4	27.8	-2.3	4.5	7.2	1973	13.0	-10.6	- 8	-22.2	197
4	72.4	-5.3	*1.3	- • t	53	11.7	1973	13.4	-10-3	-4	-2^•D	19793
5	7 7	-4.5	31.8	1	5.6	13.3	1046	16.0	-8.9	-10	-23.3	1979
6	23.1	-4.9		9	50	10.0	1964	15.9	-8.9	-14	-25.6	1982
7	21.5	-5.8	29.5	-1.7	4 ?	8.9	1965	14.1	-9 .9	-7	-21.7	1972
8	2.3	-5.4	29.0	-1.7	52	11.1	1966	15.5	-9.2	-11	-23.9	1951
9	~2.	-5.1	30.6	3	56	13.3	1966	15.0	-9.4	-12	-24,4	1901
10	?4•	-4.4	32.0	.0	5 3	14.4	1976	16.1	-8.8	-13	-25.C	1982
11	23.1	-4.6	31.0	6	56	13.3	1977	16.6	-8.6	-8	-22.2	1955
12	24.4	-3.1	33.5	- 8	55	12.9	1976	19.4	-7.5	-8	-22.2	1981=
13	26.4	-3.1	33.5	. 8	50	10.0	1954	19.3	-7.1	-5	-20.6	1955
14	17.2	-2.7	34.4	1.3	5 a	15.0	1954	20.0	-6.7	0	-17.8	1963
15	17.1	-2.7	34.5	1.4	6.5	19.9	1954	19.7	-6 · 8	-4	-20.0	1946
16	20.4	-3.1	33.0	• 6	5.5	12.5	1981	19.8	-6.5	- :	-22.2	1956
17	-7.3	-2.7	34.5	1.4	5 ?	15.7	1981	19.9	-6.7	- 8	-22.2	1958
18	70.9	-1.2	37.3	2.9	6^	15.6	1961	22.3	-5.4	-3	-19.4	1958
19	27.6	-2.4	34.6	1.4	63	17.2	1981	20.6	-6.3	-3	-19.4	1979
20	7 - 1	-2.7	35.4	1.9	57	13.9	1954	18.7	-7.4	-3	-19.4	1966
21	27.5	-2.5	35.0	1.7	55	12.8	1961	20.0	-6.7	-7	-21.7	1963
22	77.8	-2.3	35.6	2.0	51	10.6	1981	20.1	-6.6	-6	-21.1	1963
23		-1.1	36.6	2.6	51	16.1	1977	23.5	-4.7	5	-15.3	19674
24	1.1	6	37.8	3.2	63	17.2	1976	24.3	-4.3	-6	-21.1	1967
25	29.5	-1-3	36.5	2.5	66	18-9	1976	22.7	-5.2	-7	-21.7	1967
26	ಿ - 3	-1.2	36.1	3.4	6"	15.6	1976	21.5	-5.8	-1	-18.3	1963
27	30 • .	8	38.0	3.3	7.7	22.2	1976	23.3	-4.8	1	-17.2	1950
28	'1.0	6	38.6	3.7	57	13.9	1974#	23.5	-4.7	-1	-18.3	1962
29	70.9	-1.7	37.4	3.0	64	17.8	1972	20.3	-6,5	-2	-18.9	1983
30	<u></u>											
31												
Monthly	76.0	<u>-3.3</u>	33.5	<u>•8</u>	72	22.2	1976	18.6	-7.4	-16	-26.7	1951

*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

1 . 55 CLENTIEN. IL

1946-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

	MEAN TE	MP		MA	XIMUM TE	MP			М	INIMUM TE	MP	
<u> </u>	AVERA	3E	AVERA	3E	EXTRE	ME		AVERAG	E	EXTRE	ME	
DAY	° F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	70.5	7	38.6	3.7	67	15.6	1972	23.0	-5.0	-9	-22.8	1962
2	1.4	3	38.1	3.4	60	20.6	1974	24.6	-4.1	-1	-18.3	1950
3	3.2	.7	40.6	4.8	77	25.0	1974	25.9	-3.4	8	-13.3	1950
4	2.3	• 2	39.9	4 . 4	58	14.4	1968	24.8	-4.0	4	-15.6	1978
5	€.3	7	38∙0	3.3	5 9	15.7	1946	23.7	-4.6	-1	-18.3	1978
6	12.1	• 1	39.4	4 . 1	66	18.9	1951	24.8	-4.0	1	-17.2	1969
7	71.3	4	38.2	3.4	64	17.8	1973	24.4	-4.2	4	-15.6	1960
8	70.1	6	38.5	3.6	68	20.0	1977	23.3	-4.8	2	-16.7	1982
9	31.9	1	38.9	3.8	67	19.4	1977	24.8	-4 . C	9	-12.8	1982
10	3.2	. 7	40.3	4.6	69	20.6	1955	26.2	-3.2	7	-13.9	1948
11	34 . 7	1.5	41.5	5.3	73	22 • 9	1972	27.8	-2.3	5	-15.0	1979=
12	35.4	1.9	42.9	6.1	67	19.4	1977	27.9	-2.3	-2	-18.9	1948
13	34.5	1.4	41.6	5.3	77	21.1	1957	27.4	-2.6	10	-12.2	1948
14	36.02	2.3	43.5	6.4	72	22.2	1973	28.9	-1.7	11	-11.7	1960
15	30.2	1.8	43.0	6.1	72	22.2	1977	27.5	-2.5	11	-11.7	1970
16	75.4	1.9	43.4	6.3	64	17.8	1964	27.4	-2.6	16	-8.9	1978
17	34 . 5	1.4	43.2	6.2	73	22 • º	1966	26 ⋅ ℂ	-3.3	11	-11.7	1967
18	€.3	2,4	44.1	6.7	72	22.2	1969	28.5	-1.9	10	-12.2	1965
19	78.1	3.4	44.9	7.2	76	24.4	1976	31.3	4	9	-12.9	1965
20	37.7	3.2	45.6	7.5	71	21.7	1976	29.9	-1.2	4	-15.6	1965
21	72.1	3.4	45.8	7.7	74	23.3	1953	30.4	9	9	-12.8	1965
22	36.9	2.7	44.8	7.1	62	16.7	1979	29.0	-1.7	16	-8.9	19:99
23	78.1	3.4	46.8	8.2	69	20.6	1963	29.4	-1.4	14	-10.0	1965
24	37.0	2.8	44.5	6.9	74	23.3	1959	29.5	-1.4	7	-13.9	1974
25	37.0	2.8	45.1	7.3	75	23.9	1967	28.8	-1.8	9	-12.8	1960
26	38.5	3.6	46.5	8.1	77	25.0	1976	30.6	5	11	-11.7	1955
27	79.8	4.3	48.2	9.0	74	23.3	1968	31.4	3	6	-14.4	1965
28	41.7	5.4	49.9	9.9	79	26.1	1968	33.4	. 8	12	-11.1	1975
29	41.4	4 . 8	48.9	9.4	73	26.1	1963	32.3	• 2	15	-9.4	1969
30	45.7	4 . 8	49.8	9.9	77	25.0	1967	31.6	2	11	-11.7	1969*
31	42.4	5.9	57.9	10.5	84	28.9	1981	34.3	1.3	12	-11.1	1969
Monthly	35.7	2.1	43.4	6.3	84	28.9	1981	28.0	-2.2	-9	-22.8	1962

*ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERATURES

1 4955	TLENVIEW, IL	1945-1982	APRIL
STATION	STATION NAME	YEARS	MONTH

T	MEAN T	EMP		M	AXIMUM TEN	ИP			М	INIMUM TE	MP	
ľ	AVERA	GE	AVERA	GE	EXTRE	ME		AVERAG		EXTRE	ME	
DAY	°F	°c	°F	°C	°F	°c	DATE	°F	°c	°F	°c	DATE
1	43.	5.6	· 2 · 6	11.4	83	28.3	1946	35.2	1.8	2.2	-5.6	1954
2	· 4 · 2	6.8	52.8	11.6	80	26.7	1963	35.6	2.0	22	-5.6	1961
3	.2.3	5.7	50.7	10.4	80	26.7	1956	33.9	1.1	16	-8.9	1954
4	4 (• f	4.9	49.0	9.4	77	21.1	1981	32.6	- 3	16	-8.9	1982
5	42.5	5.9	51.8	11.7	72	22.2	1956	33.4	. 8	19	-7.2	1982
6	.4.2	6.8	<u> </u>	11.9	72	22.2	19569	35.1	1.7	15	-9.4	1982
7	45.0	7.2	54.7	12.6	73	22. A	1978	35.3	1.8		-11.7	1982
8	.2.4	5.8	50.5	10.3	79	25.6	1971	34.3	1.3	24	-4.4	19820
9	43.2	6.2	52.0	11.1	76	24.4	1952#	34.4	1.3	24	-4 .4	1974
10	44.5	6.9	53.2	11.8	84	28.9	1977	35.9	2.2	23	-5.0	1963
11	46.3		54.5	12.5	84	28.9	1977	38.1	3.4	26	-3.3	1973
12	47.2	8 . 4	56.6	13.7	8.8	31.1	1971	37.7	3.2	21	-6.1	1950
13	37.7	8.8	57.4	14.1	80	26.7	1977	38.3	3.5	20	-6.7	1950
14	4 5 • 5	8.9	56.9	13.8	81	27.2	1976	39.1	3.9	25	-3.9	1957
15	45.9	9.4	58 •5	14.7	83	28.3	1976	39.3	4.1	28	-2.2	1962*
16	1.5	10.8	61.4	16.3	85	29.4	1976	41.6	5.3	25	-3.9	1962
17	2.5	11.1	62.6	17.7	86	30.0	1976	41.5	5.3	29	-1.7	1953
18	50.7	10.5	60.0	15.6	85	29.4	1977	41.8	5.4	27	-2.8	1953
19	10.4	10.2	59.6	15.3	82	27.8	1958	41.3	5.2	28	-2.2	1956
20	51.2	10.7	5B •1	15.6	80	26.7	1974	42.2	5.7	27	-2.8	1956
21	73.3	11.6	43.1	17.3	81	27.2	1946	43.5	6.4	29	-1.7	1959
22	2.6	11.4	52.4	16.9	91	32.9	1980	42.8	6.0	30	-1.1	1959
23		10.9	61.7	16.1	86	30 · Q	1960	42.1	5.6	28	-2.2	1956
24	47.9	9.9	58.1	14.5	84	28.9	1960	41.8	5.4	28	-2.2	1967#
25	- 1.1	10.6	50.1	15.6	85	29.4	1962	42.2	5.7	29	-1.7	1967
26	0.6	10.1	59.6	15.3	87	30.6	1962	41.6	5.3	31	6	1976=
27	1.3	10.7	60.3	15.7	84	28.9	19774	42.4	5.8	28	-2.2	1946
28	49.9	9.9	57.9	14.4	83	28.3	1951	42.3	5.6	32	• 0	1976=
29	~1.4	10.9	61.0	16.1	85	29.4	1970	42.3	5.7	30	-1.1	1977+
30	52.3	11.6	62.4	16.5	85	29.4	1962	43.5	6.4	34	1.1	1979=
31					I							
Monthly	48.3	8.9	57.1	13.9	91	32 . 8	1980	39.0	3.9	11	-11.7	1982

*ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERATURES

1 35 CLENVIEW, IL 1945-1982 "AY
STATION STATION NAME YEARS MONTH

<u></u>	MEAN TE	MP J		M	AXIMUM TE	MP				AINIMUM TEN	MP	
) [AVERA	GE .	AVERA	GE	EXTRE	ME		AVERA	GE	EXTRE	ME	
DAY	° F	°c	° F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	54.7	12.6	65.7	18.7	8.8	31.1	1952	43.8	6 . 6	31	6	1963
2	54.4	12.4	54.3	17.9	90	32.2	1959	44.5	6.9	34	1.1	1978
3	54 . 6	12.7	54.7	18.2	88	31.1	1955#	44.9	7.2	32		1954
4	₹5.4	13.Q	65.2	18.4	89	31.7	1952+	45.7	7.6	31	6	1954
5	57.4	14.1	67.2	19.6	92	33.3	1949	47.5	8.6	33	-6	1968
6	5.6	13.1	65.7	18.7	89	31.7	1949	45.5	7.5	34	1.1	1954
7	F 2 • 5	11.4	61.2	16.2	84	28.9	1965+	43.8	6.6	32	•0	1974
8	5.0	12.8	64.1	17.8	89	31.7	1979#	45.9	7.7	32	•0	1948"
9	-4-1	12.3	62.9	17.2	90	32.2	1979	45.2	7.3	30	-1.1	1966
10	53.7	12.2	62.7	17.1	89	31.7	1979	45.2	7.3	28	-2.2	1966
	5.1	12.6	64.9	18.3	88	31.1	1982	45.3	7.4	33	.6	1966
12	56.0	13.4	66.0	18.9	90	32.2	1956	46.3	7.9	33	.6	1981
13	56.9	13.8	67.2	19.6	88	31.1	1977	46.3	7.9	36	2.2	1953
14	57.8	14.3	67.2	19.6	90	32.2	1982	48.4	9.1	36	2.2	1973
15	۶٤ .6	14.8	65.7	20.4	8.8	31.1	1971#	48.5	9.2	39	3.9	1959*
16	53.1	14.5	68.0	20.0	91	32,8	1962	48.1	8.9	37	2.8	1956
17	57.5	14.2	56.4	19.1	94	34.4	1971	48.6	9.2	3.8	3.3	1973
18	01.1	16.2	71.5	21.9	92	33.3	1962	\$0.8	10.4	37	2.8	1955
19	1.1	16.2	71.7	22.1	93	33.9	1975	50.4	13.2	39	3.3	1948
20	60.3	15.7	71.0	21.7	90	32.2	1977	49.6	9.8	41	5.0	1956
21	£0.6	15.9	71.3	21.8	88	31.1	1977+	49,9	9.9	39	3.9	1954
22	\□ • 4	15.8	70.4	21.3	92	33.3	1956	50.3	10.2	40	8.4	1967*
23	°° • 6	15.3	68.7	20.4	87	31.7	1977#	50.6	10.3	36	2 • 2	1963
24	51.4	16.3	71.6	22.7	91	32.9	1950	51.2	10.7	37	2.8	1956
25	61.8	16.6	71.9	22.2	86	30.0	19534	51.7	10.9	40	4.4	1976*
26	61.1	16.2	70.4	21.3	94	34.4	1967	51.7	10.9	35	1.7	1961
27	61.1	16.2	70.9	21.6	89	31.7	1978	51.2	10.7	36	2 • 2	1961
28	40.6	15.9	70.1	21.2	93	33.9	1969	51.0	10.6	39	3.9	1949
29	61.9	16.6	71.7	22.1	97	32.2	1962	52.0	11.1	38	3.3	1965+
30	52.8	17.1	73.1	22.8	92	33.3	1953	52.6	11.4	40	4.4	19474
31	64.3	17.9	75.2	24.0	8.8	31.1	1953	53.5	11.9	42	5.6	1972
Monthly	58.2	14.6	68.1	20.1	94	34.4	1971=	48.4	9.1	28	-2.2	1966

*ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERATURES

1 USS CLENVIEW, IL 1945-1982 JUNE
STATION STATION NAME YEARS MONTH

	MEAN TO	MP		M	AXIMUM TEI	MP			М	INIMUM TEN	1P	
· •	AVERA	GE	AVERA	GE	EXTRE	ME		AVERAC	E	EXTRE	ME	
DAY	°F	°c	°F	°c	°F	°c	DATE	°F	°c	°F	°c	DATE
1	63.1	17.3	72.6	22.4	91	32.9	1951	53.9	11.9	43	6.1	1946
2	2.2	16.8	71.7	22.1	91	32.5	19724	52.8	11.6	40	4.4	1956
3	43.0	17.2	73.4	23.1	93	33.9	1972	52.4	11.4	37	2.8	1945
4	6.1	18.9	77.3	25.2	94	34.4	1953	54.9	12.7	34	1.1	1945
5	56.5	19.1	77.1	25.1	97	36.1	1971	56.4	13.6	34	1.1	1945
6	67.5	19.4	77.1	25.1	95	35.0	1971	56.9	13.8	44	6.7	19584
7	67.8	19.9	77.8	25.4	93	32.2	1982+	57.9	14.4	44	6.7	1977
8	67.2	19.6	76.6	24.8	93	33.9	1979+	57.7	14.3	45	7.2	1969
9	-6.7	19.3	76.6	24.8	9.5	35.0	1968	56.7	13.7	42	5.6	1977*
10	57.6	19.8	76.4	25.8	95	35.0	1968	56.8	13.8	42	5.6	19772
11	58.8	23.4	79.6	26.4	93	33.7	1954	58.1	14.5	38	3.3	1972
12	65.1	20.1	77.4	25.2	96	35.6	1956	58.9	14.9	4.8	8.9	1955
13	67.1	19.5	76.6	24.8	95	35.7	1956	57.7	14.3	45	7.2	1946
14	67.1	19.5	76.2	24.6	93	33.9	1976	57,9	14.4	45	7.2	1946
15	-6.7	19.3	75.9	24.4	94	34.4	1967	57.4	14.1	47	8.3	1951*
16	67.3	19.6	77.0	25.0	93	33.9	1952	57.6	14.2	45	7.2	1947
17	67.5	19.7	77.5	25.3	93	33.9	1957	57.5	14.2	96	7.8	1980~
18	58.5	20.1	78.1	25.6	93	33.9	1962	59.1	15.1	46	7.8	1958
19	68.6	20.3	78.6	25.9	101	39.3	1953	58.6	14.8	49	9.4	1980
20	68.7	20.4	78.4	25.8	102	38.9	1953	59.0	15.Q	44	6.7	1948
21	68.6	20.3	79.1	25.6	94	34.4	1954	59.2	15.1	45	7.2	1963
22	59.1	20.6	78.8	26.1	95	35.0	1965	59.3	15.2	42	5.6	1963
23	69.2	20.7	78.6	25.9	95	35.7	1968	59,9	15.5	45	7.2	1972
24	70.3	21.4	80.2	26.3	94	39.4	1956	60.9	16.1	48	8.9	1972
25	69.9	21.1	60°Q	26.7	98	36.7	1954	59.8	15.4	46	7.8	1979
26	71.7	22.1	31.8	27.7	96	35.6	1964	61.6	16.4	50	10.0	1945
27	72.5	22.7	82.7	28.2	96	35.0	1971	62.9	17.2	52	11.1	1970*
28	74.1	23.3	33.8	28.8	99	37.2	1971	64.3	17.9	55	12.8	1956*
29	74.1	23.4	=4.2	29.7	100	37.5	1969	- 69.4	17.8	52	11.1	1951*
30	73.7	23.2	3.0	28.1	99	37.2	1953	64.3	17.9	51	10.6	1965
31										_		
Monthly	6e.3	20.2	78.2	25.7	102	38.9	1953	58.5	14.7	34	1.1	1945

*ALSO ON EARLIER YEARS





DAILY AVERAGE/EXTREME TEMPERATURES

1 55 LENVIEW, IL 1945-1982 JULY
STATION STATION NAME YEARS MONTH

	MEAN TE	MP		M	AXIMUM TE	MP				INIMUM TEN	ИP	
ļ	AVERA	GE .	AVERA	GE	EXTR	ME		AVERAC	iE .	EXTRE	ME	
DAY	°F	°c [°F	°c	°۴	°c	DATE	°F	°c	°F	°c	DATE
1	72.9	22.7	83.3	29.5	99	37.2	1956	62.6	17.0	41	5.0	1982
2	72.4	22.4	92.4	28.0	99	37.2	1970	62.3	16.8	52	11.1	1959
3	71.4	21.9	90.4	26.9	98	36.7	1974+	62.3	16.8	51	10.6	1968 2
4	71.3	21.8	80.2	26.8	96	35.6	1955	62.5	16.9	50	10.0	1972
5	71.2	21.8	80.7	27.1	95	35.0	1977+	61.8	16.6	47	8.3	1972
6	71.1	21.7	81.0	27.2	95	35.0	1977	61.3	16.3	52	11.1	1979*
7	73.2	22.9	32.9	28.3	100	37.8	1980	63.4	17.4	53	11.7	1959
_ 8	73.0	22.8	82.1	27.8	96	35.6	1974#	63.9	17.7	51	10.6	1954
9	72.0	22.2	٩1.3	27.4	97	36.1	1974	62.7	17.1	53	11.7	1961#
10	72.2	22.3	31.7	27.6	97	36.1	1976*	62.6	17.0	52	11.1	1953*
11	73.1	22.8	82.9	28.3	95	35.D	1966	63.4	17.4	50	10.0	1945
12	74.5	23.6	84.5	29.2	98	36.7	1966	64.6	18.1	5.5	12.8	19754
13	73.8	23.2	2.9	28.3	97	36.1	1974	64.6	18.1	53	11.7	1975*
14	73.5	23.1	72.4	28.0	97	36.1	1976+	64.6	18.1	51	10.6	1950
15	73.1	22.8	81.8	27.7	99	36.7	1980	64.4	18.0	52	11.1	1967*
16	73.7	23.2	:3.6	28.7	96	35.6	1969	63.9	17.7	45	7.2	1945
17	74.3	23.5	83.6	28.7	95	35.0	1964	65.1	18.4	53	11.7	1945
18	74.6	23.7	-3.4	28.6	100	37.8	1946	65.9	18.8	55	12.8	1979
19	-3.7	23.2	- 2 - 1	27.8	95	35.0	1977	65.3	18.5	54	12.2	1947
20	73.8	23.2	°2.8	28,2	101	38.3	1980	64.8	18.2	54	12.2	1970 ≥
21	73.8	23.2	82.4	28.7	97	36.1	1972	65.2	15.4	50	10.0	1947
22	74.1	23.4	82.6	28.1	97	36.1	1965	65.6	18.7	46	7.8	1947
23	73.1	22.8	81.3	27.4	94	34.4	1976	64.8	18.2	50	10.0	1947
24	74.7	23.4	93.4	28.6	101	38.3	1945	64.9	18.3	57	13.9	1947
25	74.0	23.3	83.3	29.5	94	34.4	1966	64.7	18.2	56	13.3	1946
26	74.3	23.5	83.4	23.6	98	36.7	1955	65.2	18.4	52	11.1	1962
27	75 • C	23.9	94.2	29.0	101	38,3	1955	65.8	18.8	54	12.2	1971
28	73.6	23.1	22.1	27.8	94	34.4	1964	65.1	18.4	56	13.3	1972
29	73.0	22.8	92.1	27.8	94	34.4	1953	63.9	17.7	54	12.2	1981
30	73.5	23.1	₹2.6	28.1	96	35.6	1947	64.3	17.9	54	12.2	1971
31	73.1	22.8	81.7	27.6	97	36.1	1945	64.5	18.1	51	10.6	1971
Monthly	73.2	22.9	32.4	28.0	101	38.3	19800	64.1	17.8	41	5.0	1982

*ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERA

CLENVIEW. IL

1945-1982

STATION

STATION NAME

YEARS

	MEAN TE	MP		M	AXIMUM TEN	AP			М	INIMUM TEN	IP
	AVERAC	GE .	AVERA	GE	EXTRE	ME		AVERAG	E	EXTRE	ME
DAY	° F	°c	°F	°c	° F	°c	DATE	°F	°c	°F	°c
1	72.5	22.2	- 5.3	26.8	94	34.4	1964	63.6	17.6	5 7	10.0
2	72.9	22.7	31.5	27.5	97	36.1	1964	64.2	17.9	54	12.2
3	72.2	22.3	º 1 • 1	27.3	95	35.0	1955	63.3	17.4	49	9.4
4	72.1	22.3	30.9	27.2	101	38.3	1947	63.3	17.4	52	11.1
5	'1,9	21.9	79.9	26.6	99	37.2	1947	63.1	17.3	49	9.4
6	72.7	22.6	91.2	27.3	100	37.8	1947	64.2	17.9	49	9.4
7	73.2	22.9	32.1	27.8	96	35.6	1979	64.3	17.9	52	11.
8	72.9	22.7	81.3	27.4	96	35.6	1949	64.6	18.1	52	11.
9	72.2	22.3	50.8	27.1	94	34.4	1949	63.6	17.6	48	8.9
10	71.5	21.9	? D • N	26.7	94	34.4	1949	63.0	17.2	51	10.0
11	70.9	21.6	79.8	26.6	93	33.9	1947	62.0	16.7	52	11.
12	71.1	21.7	80.5	26.9	92	33.3	1958*	61.6	16.4	49	9.
13	72.1	22.2	01.4	27.4	93	33.7	1947	62.5	16.9	51	10.
14	72.7	22.2	80.7	27.1	94	34.4	1972	63.4	17.4	49	9.
15	72.4	22.4	F-1 - 4	27.4	93	33.9	1965	63.4	17.4	52	11.
16	71.6	22.0	80.2	26.9	94	34.4	1950	62.9	17.2	52	11.
17	71.9	22.2	51.4	27.4	97	36.1	1947	62.4	16.9	53	11.
18	71.5	21.9	50.6	27.0	98	36.7	1947	62.4	16.9	49	9,
19	71.6	22.0	30.6	27.0	95	35.0	1955	62.7	17.1	51	10.
20	72.3	22.4	31.3	27.4	97	36.1	19550	63.2	17.3	45	7.
21	72.7	22.6	82.2	27.3	99	37.2	1955	63.2	17.3	45	7.
22	72.0	22.2	90.9	27.2	95	35.0	19684	63.1	17.3	51	10.
23	71.4	21.9	80.0	26.7	96	35.6	1968	62.7	17.1	4.8	4.
24	71.1	21.7	80.6	27.3	100	37.8	1997	61.6	16.4	50	10.
25	71.0	21.7	80.4	26.9	96	35.6	1948	61.6	16.4	96	7,
26	72.9	22.7	82.5	28.1	96	35.6	1948	63.4	17.4	49	9,
27	73.8	23.2	83.3	28.5	97	36.1	19764	64.4	18.0	50	10.
28	74.0	23.1	83.4	28.8	98	36.7	1933	69.1	17.4	47	8,
29	73.3	22.9	P2.8	28.2	96	35.4	1953	63.0	17.7	45	7.
30	73.2	22.9	92.2	27.9	96	35.4	1953	64.2	17.6	52	11.
31	72.1	22.4	90.6	27.1	100	37.6	1953	63.4	17.7	30	10.
lonthly	72.2	22.1	91.2	27.3	101	38.3	1997	63.2	17.1	45	7.

*ALSO ON EARLIER YEARS





DAILY AVERAGE/EXTREME TEMPERATURES

1 55

TLESSIEN, IL

1945-1982

STPTEMBER

STATION

STATION NAME

YEARS

MONTH

	MEAN TE	MP		MA	AXIMUM TE	MP			M	IINIMUM TEN	<u> </u>	
ſ	AVERA		AVERA	GE	EXTRE	ME		AVERAG		EXTRE	ME	
DAY	°F	°c	°F	°c	° F	°c_	DATE	°F	°c	°F	°c	DATE
1	59.7	20.9	77.9	25.5	100	37.8	1953	61.5	16.4	44	6.7	1949
2	69.9	21.1	79.2	26.2	100	37.8	1953	60.5	15.8	48	8.9	1967
3	70.5	21.4	23.1	26.7	95	35.€	1960	60.9	16.1	47	8.3	1974
4	69.1	20.6	78.0	25.6	94	34.4	1960	60.2	15.7	4.5	8.9	1974
5	63.2	20.1	77.8	25.4	96	35.6	1954	58.6	14.8	4.5	7.2	1962
6	68.7	20.2	77.7	25.4	96	35.6	1960	58.9	14.9	45	7.2	1950
7	69.3	20.2	77.8	25.4	98	36.7	1967	58.8	14.9	43	6.1	1950
8	67.7	19.8	77.1	25.1	96	35.6	1978	58.3	14.6	45	7.2	1951
9	68.2	70.1	78.8	26.0	94	34.4	19642	57.7	14.3	46	7.8	1951
10	67.8	19.9	77.2	25.1	94	34.4	1978	58.4	14.7	49	9.4	1976
11	67.5	19.4	76.8	24.9	91	32.3	1979*	57.2	14.D	45	7.2	1955
12	.5.4	18.6	74.2	23.4	91	32.9	1952	56.7	13.7	42	5.6	1958
13	6.1	18.9	74.9	23.9	91	32.8	1962	57.3	14.1	37	2.8	1953
14	4.2	17.9	72.7	22.6	88	31.1	1971	55.7	13.2	41	5.0	1949
15	43.6	17.6	72.8	22.7	84	28.9	1958	54.4	12.4	42	5.6	1949
16	42.7	17.1	71.4	21.7	90	32.2	1955	54.0	12.2	43	6.1	1951
17	: 4 - 4	18.0	73.2	22.9	91	32.8	1955	55.7	13.2	42	5.6	1959
18	F • 5	18.6	74.7	23.7	92	33.3	1955	\$6.3	13.5	38	3.3	1959
19	15.6	18.7	74.8	23.8	93	33.9	1955	56.4	13.6	39	3.9	1956
20	52.0	17.2	71.4	21.9	88	31.1	1978	54.5	12.5	32	• 0	1956
21	72.3	16.8	71.1	21.7	89	31.7	1970	53.6	12.0	39	3.9	1962
22	+ C • 7	15.9	69.1	20.6	85	29.4	1961-	52.2	11.2	34	1.1	1974
23	58 • 8	14.9	67.7	19.8	86	30.0	1945	50.0	10.0	33	. 6	1974
24	50.1	15.6	69.4	20.8	8.5	29.4	1958	50.9	10.5	37	2.8	1950
25	61.0	16.1	69.9	21.1	82	27.8	1958	52.1	11.2	3.0	4.4	1950
26	40.7	15.9	76.1	21.2	84	28.9	19794	51.2	10.7	43	6.1	1966
27	59.8	15.4	63.8	20.4	8.8	31.1	1954	50.9	10.5	41	5.0	1957
28	58.8	14.9	68.6	20.3	88	31.1	1952	48.9	9.4	37	2.8	1961
29	59.2	15.1	68.4	20.2	96	35.6	1953	49.9	9.9	34	1.1	1951
30	59.5	15.2	69.4	20.8	89	31.7	1971	49.3	9.6	36	2.2	1972
31												
onthly	(4.6	18.1	73.7	23.2	100	37.8	1953	55.4	13.0	32	•0	1956

*ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERATURES

STATION STATE

STATION NAME

1945-1982

OFTORER

YEARS

MONTH

	MEAN TE	MP		MA	AXIMUM TE	MP			М	INIMUM TEN	IP	
Γ	AVERAG	E	AVERAC	3E	EXTRE	ME		AVERAGI	•	EXTRE	ME	
DAY	°F	°c	°F	°c_	°F	°c	DATE	°F	°c	°F	°c	DATE
1	3 ₀ 3	15.2	69.4	20.8	87	30.6	1971	49.2	9.6	34	1 - 1	1958
2	59.7	15.4	69.9	21.1	87	30.6	1971	49.5	9.7	3.0	-1.1	1974
3	53.4	14.7	57.9	19.9	8.8	31.1	1954	48.8	9.3	- 31	6	1974
4	7.9 . 3	14.6	67.4	19.7	8.8	31.1	1967	49.2	9.6	36	2.2	19834
5	57.7	14.3	66.8	19.3	86	30.0	1946	48.6	9,2	32	•0	1952
6	56.4	17.6	64.9	18.3	8.8	31.1	1963	47.9	8.8	26	-3.3	1952
7	5.2	12.9	63.6	17.6	82	27.8	1949	46.7	8.2	32	• 0	1952
8	55.7	13.2	64.7	18.2	84	28.9	1949	46.8	8.2	2.8	-2.2	1952
9	~5.d	12.8	64.1	17.8	84	28.9	1949	45.9	7.7	31	6	1964
10	55.4	13.0	65.3	18.5	84	28.9	1962	45.5	7,5	27	-2.8	1964
11	15.0	12.5	63.9	17.7	84	28.9	1962	46.2	7.9	32		1964
12	"4.5	12.9	64.4	18.0	82	27.8	1956	44.7	7.1	31	6	1967
13	5.4	13.7	65.5	18.4	87	30.6	1975	45.4	7.4	31	6	1977
14	55 • 4	13.2	65.9	18.8	84	28.9	1958	45.7	7.6	73	. 6	1978
15	"5.1	12.8	65.2	18.4	84	28.9	1968+	45.1	7.3	72	• 0	1972
16	4 . 5	12.5	63.9	17.7	8 1	26.7	19584	45.1	7.3	71	6	1970
17	3.5	11.9	63.3	17.4	8.5	29.4	1950	43.8	6.6	26	-3.3	1942
18	72.1	11.2	60.4	15.8	8.5	29.4	1950	43.7	6.5	21	-6.1	1948
19	1.6	10.9	€0.3	15.7	82	27.8	1953	92.9	6.1	26	-3.3	1972
20	72.7	11.1	61.2	16.2	95	29.4	1953	42.8	6.1	25	-3.9	1952
21	2.6	11.4	61.5	16.4	83	28.3	19794	43.7	6.5	25	-3.9	1952
22	52.3	11.6	62.8	17.1	83	28.3	1963	43.0	6.1	27	-2.8	1976
23	50.7	10.4	58.9	14.9	83	28.3	1963	42.6	5.9	24	-4,4	1981
24	48.5	9.2	56.9	13.8	8 ^	26.7	1963	40.1	4.5	22	-5.6	1981
25	45.1	8.9	56.2	13.4	74	23.3	1963	•3.g	4,4	23	-5.0	1962
26	46.6	9.2	57.8	14.3	82	27.8	1963	39.5	4.2	22	-5.6	1962
27	49.5	9.7	58.7	14.8	74	23.3	1955+	40.3	4.4	29	-1.7	1983
28	48.9	9.4	57.8	14.3	76	24.4	1946	43.1	4,9	24	-4 . 4	1976
29	48.9	9,2	57.1	13.9	78	25.4	1946	39.9	4.4	23	-5.3	1952
30	50.5	10.4	59.7	15.4	83	28.1	1950	41.9	5,9	24	-2,2	1954
31	55.9	10.1	57.9	14.4	84	28.9	1950	93.1	6.2	28	-2.2	1949
lonthly	53.6	12.d	62.7	17.1	8.8	31.1	19674	44.4	6.9	21	-6.1	1948

*ALSO ON EARLIER YEARS



DAILY AVERAGE/EXTREME TEMPERATURES

1 4: 55 CLENVIEW, IL 1945-1982 NOVEMBER
STATION STATION NAME YEARS MONTH

	MEAN TE	MP		M	AXIMUM TE	MP			M	INIMUM TE	MP	
1	AVERAG	E T	AVERAC	GE .	EXTRE	ME		AVERAG	E	EXTR	ME	
DAY	° F	°c	°F	°c	°F	°c _	DATE	°F	°c	°F	°c	DATE
1	46.5	9.2	56.9	13.8	7.0	25.6	1950	40.4	4.7	24	-4.4	1951
2	47.4	8.6	54.5	12.5	75	23.9	1961	40.3	4.6	14	-10.0	1951
3	44.4	7.1	52.4	11.3	73	22.8	1977	37.2	2.9	11	-11.7	1951
4	13.3	6.3	49.6	9.8	70	21.1	1964	37.0	2.8	12	-11.1	1951
5	44.1	6.7	51.8	11.7	73	22.8	1978	36.4	2.4	7	-13.9	1951
6	43.3	6.3	51.2	10.7	73	22.9	1975	35.4	1.9	19	-7.2	1971
7	43.4	6.3	51.6	10.9	72	22.2	1945	35.1	1.7	16	-8.9	1971
8	42.7	5.9	50.6	10.3	60	20.0	1945	34.9	1.6	14	-10.0	1976
9	42.4	5.8	50.D	10.7	60	20.6	1964	34.8	1.6	20	-6.7	1973
10	11.5	5.3	49.3	9.6	68	20.0	1949	33.7	• 9	20	-6.7	1957
11	42.4	5 . 8	49.8	9.9	71	21.7	1964	35.0	1.7	14	-10.0	1950
12	42.2	5.7	49.4	9.7	67	19.4	1964=	34.9	1.6	18	-7.8	1976
13	41.5	5.3	49.5	9.7	67	19.4	1954	33.5	. 8	17	-8.3	1947
14	41.1	5 - 1	48.8	9.3	73	22.8	1971	33.4	. 8	11	-11.7	1959
15	42.4	5.8	50.1	10.1	69	20.6	1953	34.7	1.5	11	-11.7	1959
16	42.0	5.9	51.0	10.6	70	21.1	1952	34.1	1.2	5	-15.0	1959
17	42.4	5.8	49.6	9.8	72	22.2	1958	35.1	1.7	2	-16.7	1959
18	11.4	5.2	48.9	9.4	70	21.1	1953	33.8	1.0	13	-10.6	1959
19	19.2	4.0	45.5	7.5	71	21.7	1953	32.8	. 4	15	-9.4	1951
20	39.∙0	3.3	45.0	7.2	63	17.2	1982	31.1	5	15	-9.4	1969 -
21	36.4	2,4	43.1	6.2	61	16.1	1963	29.6	-1.3	3	-13.3	1964
22	76 • 2	2.3	43.6	6.4	62	16.7	1963	28.9	-1.7	13	-10.6	1964
23	35.3	1.8	42.2	5.7	61	16.1	1974	28.3	-2.1	-2	-18.9	1957
24	34.4	1.3	41.1	5 - 1	64	17.6	1966	27.8	-2.3	-3	-19.4	1950
25	34.9	1.6	42.3	5.7	61	16.1	1976+	27.5	-2.5	-2	-18.9	1950
26	35.3	1.8	42.6	5.9	64	17.8	1981	28.1	-2.2	5	-15.0	1977
27	73.C	• 6	39.2	4.0	6.7	15.6	1957	26.9	-2.8	6	-14.4	1955
28	70.2	-1.Q	36.1	2.3	63	17.2	1960	24.3	-4.3	2	-16.7	1976
29	29.6	-1.3	36.8	2.7	62	16.7	1975	22.3	-5,4	-5	-20.6	1976
30	10.1	-1.1	37.8	3.2	63	17.2	1975	22.3	-5.4	-4	-20.0	1947
31												
Monthly	39.€	4.2	97.0	8.3	7.9	25.6	1950	32.3	. 2	-5	-20.6	1976

*ALSO ON EARLIER YEARS



AVAL WEATHER SERVICE DETACHMENT

SHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1.455 [LENVIEW, IL 1945-1982 DECEMBET STATION NAME YEARS MONTH

	MEAN T	EMP		M	XIMUM TE	ИР			N	INIMUM TE	MP	
	AVERA	NGE	AVERAC	3E	EXTRE	ME		AVERAG	E	EXTRE	ME	
DAY	° F	°c	°F	°c	° F	°c	DATE	°F	°c	°F	°c	DATE
1	71.7	3	38.2	3.4	7 ^	21.1	1970	24.9	-3.9	9	-12.8	1966
2	73.9	. 8	41.1	5.1	67	19.4	1982	25.9	-3.4	2	-16.7	1976
3	34.3	1.6	42.0	5.6	65	18.3	1970	27.7	-2.4	7	-13.7	1966
4	34 - 7	1.5	42.0	5.6	64	17.8	1961	27.4	-2.6	7	-13.9	1978
5	34 . 1	1.6	41.9	5.5	63	17.2	1982	27.8	-2.3	10	-12.2	1976*
6	73.7	. 4	39.7	4.3	64	17.8	1980#	25.7	-3.5	C	-17.8	1977
7	1.	1	38.5	3.6	63	17.2	1980	25.1	-3.8	0	-17.8	19774
8	70.0	-1.1	36.2	2.3	65	18.3	1946	23.8	-4.6	-3	-19.4	1958
9	27.1	-2.7	33.6	• 9	60	15.6	1946	20.7	-6.3	-9	-22.8	1958
10	76.3	-3.2	33.7	• 9	5 9	14.4	1971=	18.9	-7.3	-5	-20.6	1978
11	77.3	-2.6	34.4	1.3	62	16.7	1949	20.1	-6.6	-3	-19.4	1972
12	27.6	-2.4	34.3	1.3	56	13.3	1965	25.8	-6.2	-5	-20.6	1962
13	26.7	-2.9	33.7	. 9	64	17.8	1975	19.8	-6.8	-4	-20.0	1959
14	76.2	-3.2	32.9	• 5	61	16.1	1975	19.6	-6.9	-2	-18.9	1958
15	26 • 1	-3.3	32.9	• 5	65	18.3	1971	19.3	-7.1	-8	-22.2	1951
16	75.7	-3.5	32.5	. 3	54	12.2	1977	18.9	-7,3	-14	-25.6	1951
17	24.1	-4.0	31.8	1	50	15.D	1977	17.8	-7.9	-10	-23.3	1951
18	25.	-3.4	32.8	. 4	54	12.2	1957	18.7	-7.4	-11	-23.9	1945
19	25.4	-3.1	32.5	3	5 3	11.7	1976	20.2	-6.6	-6	-21.1	1963
20	75.3	-3.2	32.4	• 2	59	15.1	1949	20.3	-6.5	-8	-22.2	1963
21	25.9	-3.4	32.7	- 4	62	16.7	1967	19.1	-7.2	-4	-20.0	1963
22	76.6	-3.d	33.5	, 8	55	12.8	1957	19.8	-6.8	-7	-21.7	1960
23	?5.2	-2.1	34.6	1.4	60	15.6	1982	21.7	-5.7	-11	-23.9	1960
24	7.1	-2.7	34.9	1.6	58	14.4	1982	19.2	-7.1	- 8	-22.2	1951
25	26.5	-3.1	33.1	. 4	63	17.2	1982	19.9	-6.7	-3	-19.4	1977
26	24.7	-3.9	30.9	6	51	10.6	1959	18.9	-7.3	-6	-21-1	1962+
27	25.1	-3.5	32.9	• 4	5	14.4	1946	18.5	-7.5	-12	-24.4	1950
28	76.5	-3.1	33.4		63	17.2	1982	18.7	-7.4	-6	-21.1	1961
29	26.1	-3.1	32.6	1	52	11.1	1979	19.5	-6.9	-8	-22.2	1976
30	25.4	-3.7	32.0		57	13.9	1965	18.7	-7.4	-5	-20.6	1976
31	25.4	-3.7	32.5	. 1	59	15.1	1965	18.2	-7.7	-11	-23.9	1967
Monthly	20.5	-2.2	34.6	1.6	7.7	21.1	1970	21.2	-6.0	-14	-25,6	1951

*ALSO ON EARLIER YEARS



EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14553

SLEWVIFW, IL

STATION NAME

45-57

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
45				8.7	33	92	101	93	4.5	76	7.2	52	····
46	54	56		83	۶2	94	1 20			86		65	
47	50				5.2	93	76	101					
48	40	54	72	82	83	91	94	98	92	79	67	57	36
49	59	52	70	75	92	90	78	96	84	84	70	62	3.0
50	67	41	61	74	91	90	92	94	8.3	85	78	51	94
51	49	5.5	66	83	87	91	91	9.2	9.9	27	65	64	97
5.2	56	5.3	64	82	89	97	96	9.0	91	85	73	59	97
5.3	56	56	74	82	92	102	98	100	100	85	71	55	102
5.4	49	66	66	83	86	98	95	93	96	88	69	45	98
*5	44	50	69	8.0	88	92	101	99	94	77	66	49	101
56	44	46	58	80	92	96	99	97	87	8.3	67	61	99
57	56	62	70	79	84	93	93	93	92	71	60	55	93
53	39	53	52	83	35	88	90	93	9.8	64	72	4.3	9.7
Г.9	41	50	74	75	91	93	92	95	95	72	5.3	57	95
60	58	42	69	86	82	85	93	94	98	80	5.8	66	98
51	54	60	70	74	84	92	91	92	9.0	80	75	54	د د
6.2	42	51	69	87	93	93	89	93	91	34	50	62	9 ?
53	41	49	79	AC	89	94	78	93	8.5	88	57	5€	78
<4	59	53	64	83	91	100	95	97	94	78	72	49	100
55	61	57	53	74	86	96	97	94	69	80	71	59	97
46	47	56	73	74	85	94	98	91	90	P D	69	61	99
67	64	47	77	75	94	94	32	9 🖸	86	88	58	62	74
6.8	51	5.5	79	80	95	95	74	96	88	84	72	54	96
59	52	41	72	79	63	94	96	93	83	84	55	46	36
70	51	50	55	85	88	98	99	89	89	76	58	70	99
71	43	6C	76	88	94	99	91	93	95	87	73	65	84
72	50	64	73	77	97	93	97	95	83	74	58	50	9.7
73	59	53	72	76	OR	92	96	97	91	8 C	5.4	61	97
74	54	57	77	83	97	91	იგ	9 g	8.8	78	76	45	9.8
MEAN													<u> </u>
S. D.													
TOTAL OBS.											~ · · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·

EXTREME VALUES

MARTHUM TEMPERATURE

IFROM DAILY OBSERVATIONS

14055 STATION GLENVIEW, IL STATION NAME

45-87

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	60	50	59	76	93	92	91	95	2.5	87	7.7	64	33
76	38	72	77	86	83	93	97	97	89	ε1	45	53	37
77	31	61	72	85	63	92	97	90	57	75	74	50	77
73	40	38	79	73	89	91	20	92	06	77		43	
79	37	45	56	75	90	93	93	96	91	83	5.8	59	\$5
40	5.5	43	58	91	97	94	101	93	86	8.2	67	64	101
61	53	63	24	82		93	75	89	87	74	69	50	
۶2	40	50	63	73	ອວ	93	93	94	89	87	6 6	67	54
													
									-				
MEAN	47.8	53.1	5£.9	80.1	87.8	93.4	95.2	9 4 • 0	89.9	81.3	67.6	56.8	96.
S. D.	A.59A		7.946					2.986				6.966	2.51
TOTAL OBS.	1147	1017	1085	1110	1147	1140	1178	1147	1080	1147	1750		1330

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

14 355

SLEWVIEW, IL

45-82

YEARS

STATION

STATION NAME

WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46			73						 				HAR TEMP
			30										PAYS
47		46							93		57	54	MEX LEAD
		17				ļ			15		27	3 0	2448
7.9									İ		73 29		PAX TEMP
f 1					8.3	ļ					.,,		MEN ALAB
. 1					89 30						ŀ		DAYS
					,,,,						 		1.7.3
ii ii													
								· · · · · · · · · · · · · · · · · · ·			 		
													1
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l						-							1
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1						İ							1
													†
	·										L l		
		L											<u> </u>
MEAN									L				<u> </u>
S. D.									<u> </u>				<u> </u>
TOTAL OBS.		l .	L			<u> </u>					L l		i .

EXTREME VALUES

MINIMUM TEMPERATURE

14855

CLENVIEW, TL STATION NAME

45-87

(FROM DAILY OBSERVATIONS)

STATION

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				29	72	34	45	49	44	30	16	11-	
46	4 -	4-	ļ	26	27	3.8	54	, i]	·	33		2-	
47	2-				71	43	46	50				 	
48	10-	£-	2 -	27	32	44	51	49	47	21	23	10	10+
45	4-	1-	12	26	35	47	54	5.0	35	28	12	3	4-
50	4 -	5-	1 -	20	75	4.3	51	45	37	31	3-	12-	12-
5.1	20-	16-	12	29	37	41	5.1	51	34	30	7	14-	54-
7.2	5 -	14	4	26	3.7	46	5.3	46	40	23	12	14	Ş -
5.3	1	0	10	27	36	46	52	51	37	33	16	1	
54	10-	5	10	16	31	44	51	53	44	28	21	14	17-
⁷ 5	11-	8-	4	33	?7	48	51	5.4	42	32	3		11-
56	0	7	17	27	37	39	52	51	32	34	12	5	ů
5.7	11-	9	13	22	38	41	5.8	52	39	28	11	- <u>3</u> 1	
58	1-	- 3	24	29	36	44	° 5	46	39	34	2	9-	9-
59	8 -	5-	15	27	38	47	52	56	38	29	2	13	3-
50	5	5	1	23	34	50	54	55	44	27	19	11-	11-
61	7-	12	19	22	34	47	53	53	37	31	72	6-1	7-
6.5	16-	5-	9~	25	40	46	52	5.2	39	22	25	6-	16-
6.3	18-	7-	9	29	31	42	53	45	43	34	25	8-	12-
64	2	5	11	24	39	46	53	49	40	27	3	3	2
65	10-	10-	4	28	38	48	47	45	41	29	5.0	11	13-
66	17-	3-	18	30	28	44	57	5.3	43	30	23	6	17-
67	11-	8-	8	28	33	4.8	52	49	38	2.8	16	11-	11-
68	12-	1-	13	27	33	5 0	51	49	45	35	24	9-	12-
69	8 -	10	11	29	40	42	57	57	45	27	15	14	?
70	12-	8-	11	28	36	46	52	54	39	31	9	7	12-
71	6-	7-	16	24	33	52	51	53	40	37	16	11	7=
72	15-	7-	7	22	36	3.8	47	48	36	26	23	3-	15-
73	1	4	24	26	75	52	57	58	46	36	50	1	1
74	11-	4	7	24	32	50	5.8	5.2	33	27	22	8	11-
MEAN													 _
S. D.													
TOTAL OBS.				1	·						l l		

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE

14955

CLENVIEW, TL

45-80

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHPENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
75	2	r: -	14	18	41	48	53	59	43	34	18	1	6-
76	11-	10-	15	29	33	50	56	54	39	24	5-	10-	11-
77	19-	4-	19	23	35	42	55	5.2	52	31	5	5-	14-
78	6-	3	1-	31		49	56	54	45	3.3		5-	
79	16-	10-	5	17	32	46	52	52	47	31	21	- 2	15-
50	1	2-	3	32	39	4.5	56	6 Ü	44	28	56	4-	4-
71	77	8-	19	30		53	54	59	4.3	5.5	19	5]
F 2	23-	14-	2	11	45	47	41	47	43	28	17	10	2 !-
								!					
MEAN	8.2-	2.5-	9.8	25.5	35.4	45.4	52.6	51.8	40.9	29.4	14.9		10.0-
S.D.	7.053	7.366			3.410			3.012		3.905			6.080
TOTAL OBS.	1147	1017	1385	1110	1147					1147	1030	1147	13395

1

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

14355 STATION SLENVIEW, IL STATION NAME

45-82

YEARS

WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46			19 30										DVA? MIM AEMB
47		3- 19							62 10		27	9	MIN TEMP
78					·	· · · · · ·					11 29		MIN TEMP
51					3 3 30								DAYS
							L						
		i	-										
										-			
MEAN S. D.													
TOTAL OBS.													}

SMOS



84

66

59

51

29

20

15

84

66

59

51

29

20

82

75

72

54

35

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GLENVIEW. IL 14355 73-82 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew P 58/ 57 56/ 55 .0 54/ 53 • 1 . 1 12 12 5 52/ 51 11 • 0 507 49 3 43/ 47 11 11 8 • 1 461 45 • 1 7 . 1 12 12 . 2 44/ 43 . 0 22 22 17 . 2 421 29 29 41 22 • I 40/ 30 .8 47 47 23 • 9 381 37 70 70 44 36/ 35 .8 1.7 119 119 85 2.7 34/ 33 128 128 106 3.5 32/ 31 . 2 163 163 170 29 3.2 301 1.4 149 149 166 29/ 27 122 2.8 122 138 26/ 25 4.0 1! 169 169 158 24/ 23 2.9 .0 125 125 155 1.6 3.0 22/ 21 1 110 110 116 2.3 . 6 109 20/ 19 109 123 • 0 2.2 18/ 17 92 92 93 94 2.3 94 16/ 15 102 14/ 13 2.5 101 1.1 101 101 3.3 12/ 11 113 113 116 10/ 9 3.2 120 120 124 7 1.d 8/ 2.5 88 86 95 2.2 6/ 5 75 75 84

2.6

- 6

3

1

1

21- 3

5

21

0/-

6/- 7

8/- 9



14855 GLENVIEW, IL 73-82 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 Dry Bulb Wet Bulb Dew P -1G/-11 15 15 15 -12/-13 .0 11 -14/-15 10 10 10 -16/-17 . 1 5 • 1 -13/-19 • 1 6 -20/-21 . 1 • 1 -22/-23 -24/-25 -26/-27 -28/-29 - 33/-31 -32/-33 TOTAL 27.654.913.4 3.0 1.1 241 2482 • 0 2479 2479 Mean No. of Hours with Temperature σ_{x} No. Obs. Element (X) Rel. Hum. 15134400 190262 76.7 14.650 2479 ≤ 0 F ≤ 32 F Total 1490903 50061 20.2 13.926 67.4 601.0 744 Dry Bulb 2482 1307755 2479 46549 18.8 13.229 74.4 644.1 744 Wet Bulb Dew Point 1032687 13.7 15.136

4355	GL	ENVI	Ew,	11	ATION NAI					_73	-82				EA ns					FE	8
STATION				•	A . IVA NA									•					<u> </u>	PAGE :	1
			<u> </u>				WET BUI	& TEMP	0 A 71 10 E	DEDDES	EION (E		 -							TOTAL	(S.T.)
Temp. (F)	0	1 - 2	3-4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	TOTAL D.B./W.B.	Dry Built	Wet Bulb	Dew Po
661 63								• 1	.0			11						3	3		
64/ 63]	}	}]	j		•0	• 1										3	3		
62/ 61				•0			• 1											3	3		
-0/ 59			_ 1	• 1		.1		• 0				<u> </u>						8	8		<u> </u>
58/ 57	}	1	• 1		• 0	•1	• 1				}							7	7	1	
5/ 55		•0	<u>• g</u>	• 1	• 2	-1	•0			L	ļ	 						12	12		
4/ 53			• 2	٠2	• 1	_]]]		[ĺ	11	11	5	
2/ 51		• 1		• 1	-1	<u>.c</u>						 		ļ	 			7	7	10	
8/ 47	• 1	• 2	• 3	• 4	• 3	•) !		}	{	25 34	25 34	20 17	
6/ 45	• 2	.4	• 5	• 3	• 2	•1					ļ	+		 				43	43	25	1
4/ 43	. 1	.6	5	• 5	. 3	·C	.0				ł	}				Ī	ļ	46	46	33	1
2/41	• 2	. 3	. 8	• 5	•1	• 13	•0					1						45	45	42	2
0/ 39	• 2	1.0	1.3	. 9	. 1	•0								}				81	81	50	3
8/ 37	-5	1.6	1.6	.9	• 1													108	108	75	4
6/ 35	1.4	2.1	2.1	. 9							<u> </u>							148	148	122	7
4/ 33	. 9	3.1	1.9	• 5	• 0							1 1				1		142	142	135	10
2/31	1.1	3.2	2.2	. 4							ļ	1						154	154	172	11
0/ 29	• 5	3.4	1.7	• 2	[1			1				ļ		1		131	131	163	11
8/ 27	1.2	3.5	1.7	- 1											 			146	146	153	12
4/ 23	1.0	3.4	1.0	• 1	1						ĺ	1 1		[134	134	142	13
2/ 21	. 8	3.4	- 9									 		 		+		114	114	127	14
0/ 19	•6	2.9	4]	}									(ŧ		86	86	117	15
8/ 17	•5	3.1	• 3									11						87	87	89	11
6/ 15	.6	2.2	. 3	ļ						•		1		1		- (ĺ	70	70	89	9
4/13	1.0	2.2	• 1															74	74	73	10
2/ 11	1.1	2.7	•0									<u> </u>		l				87	87	93	10
0/ 9	1.4	2.3	• 0	ļ								}	ı				[85	85	8.8	9
8/ 7	.8	1.3					L											48	48	60	9
6/ 5	•7	1.5	• 0	}	1]		1 1)			j	50	50	50	6
2/ 1	- 8	. 8								 				 				37	37	41	6
2/ 1	. 6	1.0	1	}						}	}	} }		}) }			36 23	36 23	42 28	6 5
Element (X)	• D)	Σ_{X^2}			Σ_{X}		V V	σχ		No. Ol	<u> </u>	╢╌╌┙		<u> </u>	Mean N	in of He	wre wit	h Tompera		201	
Rel. Hum.						_						±0 F	7	32 F	≥ 67 F		73 F	≥ 90 F	± 93 f	, , ,	Total
Dry Bulb									_			<u> </u>			-	1			1	1	
Wet Bulb																\top					
Dew Point												1	$\neg \uparrow \neg$						1	T	



Wet Bulb Dew Point			1627 5869		53839 42681			12.9		<u>22</u>	\$ 6	20. 63.	9 51 1 57	= 1		土			<u> </u>		<u>672.</u> 672.
Dry Builb		189	5071		58343	3 2	5.9	13.0	87	22	56	18.	5 45	5.7			\Box				672.
Rel. Hum.			6567		71869	7	~	14.1			36	≤0 F	1 13	32 F	≥ 67 F		3 F	≥80 F	± 93	F	Total
Element (X)	<u> </u>	Σ_{χ^2}			Σχ		Ī	σ _X		No. Of	ba 1				Mean N	lo. of Ho	ers wiel	h Tomporet	lure		Ļ
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7-11	• 1	-								 	\top	T	$\overline{}$			-+		2	2	2	
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2/- 3	. 4	• 3			-			1	1.0	<u> </u>	† <u> </u>	T	 				 +	14	14	14	
Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8				ERATURE			21 - 22	23 . 24 2	15 - 24	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	Dry Bull-	TOTAL Wet Bulb	Dew
																				HOURS	(L.S.T.)
																				PAGE	2
355	<u> 6L</u>	ENVI	EW,	IL	TATION NAM					73	-82			YE	ARS					FE	P ITH
4355 HOITATE	<u>6L</u>	ENVI	EW,	IL s	TATION NAM	IE .				73	8-82				ARS					PAG	FE HOI

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GLENVIEW, IL 73-82 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 80/ 79 •0 78/ 77 .0 .0 76/ 75 .0 • 1 .0 74/ 73 72/ 71 . i 70/ 69 68/ .0 . 1 .0 66/ 65 .0 641 63 .0 .0 60/ 59 587 57 56/ 55 54/ 53 52/ 51 • 1 50/ 49 . 1 48/ • 1 46/ 45 42/ <u>6</u>3 . 2 34/ . 2 • D 30/ 8 1 24/ 20/ 15/ 17 16/ 15 14/ 13 **\$**5 Mean No. of Hours with Temperature ≤ 32 F ≥80 F ±93 F ≤ 0 F 273 F Rei. Hum. Dry Bulb Wet Bulb **Dew Point**



may !

4855 STATION	<u> </u>	ENVI	EW,	IL .	STATION NA	ME				73	-82				YEARS					M A	
																				PAGE	2 (L 5.Y)
Temp.										DEPRES								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	24 25 -	26 27	- 28 29	- 30 ≥ 31		Dry Bulb		Dew Point
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8/ 7	• 1	•2													\top			1	1	7	38
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Rel. Hum.			0637 1203		7991		7.7	17.4	84	24		±0		±32 F 237 •		10-2	≥73 F		1:93		744.0
Wet Bulb		315	9120		8477	0 3	4.2	10.2	71		80		-3	315.	9	.002	3.	-	 		744.0
Dew Point		235	6458		7125		9.7	9 9 9	7 2	20	80			487,	•		$\overline{}$		\neg		799.0

4855 GLENVIEW, IL 73-82 APR PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 32/ 91 88/ 87 • 0 • 0 66/ 85 Z 84/ 83 .2 12 12 .0 22/ 81 . 1 10 . 1 10 <u>• 2</u> •0 80/ 79 73/ 77 . 1 • 1 14 17 76/ 75 74/ 73 . 2 25 25 72/ 71 .0 70/ 69 • 0 • 2 47 47 68/ 67 52 52 9 27 46/ 65 • 5 . 3 • 1 68 68 4 72 72 64/ 63 55 . 1 • 0 23 62/ 61 •0 92 92 29 .8 57 • 1 60/ 59 . 1 .0 71 71 76 41 58/ 57 93 93 49 . 1 • 0 71 56/ 55 • 1 • 2 93 93 71 44 1.0 • 5 541 53 • 1 . 2 104 104 81 52 . 7 52/ 51 . 1 1.2 . 8 • C 130 130 84 40 50/ 49 • 5 1.3 1.2 1.1 . 9 .4 145 145 98 66 . 9 43/ 47 • 5 . 8 1.1 1.5 . 6 . 1 . 0 132 132 131 92 46/ 45 . 5 2.0 2.3 1.0 • 5 186 177 91 1.4 186 44/ 43 1.7 • 5 1.4 1.9 .2 155 155 213 42/ 41 1 . 8 1.5 142 142 184 123 40/ 39 1.2 133 2.7 1.0 . 1 133 202 110 38/ 37 2.4 137 1.4 . 1 137 184 136 36/ 35 1.3 2.0 2.0 • 7 146 146 217 205 34/ 33 223 2.2 1.0 102 102 138 32/ 31 .5 1.3 • 9 69 69 126 215 30/ 29 . 9 .0 40 74 • 3 181 28/ 27 <u>.</u> 3 • 0 23 23 52 134 • 1 26/ 25 . 3 15 15 26 116 •1 24/ 23 . 2 105 Mean No. of Hours with Temperature 10 F ≤ 32 F 273 F 280 F ≥93 F Dry Bulb Wet Bulb

PSYCHROMETRI #855 TWATTORN STATION MARKE 73-82 TLANS		. J.	á I I 🐧	M M	
Temp. (P) 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 08.70 19.00 .0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0			, • .		,
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(f) 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.8./Y 12 / 21	T			TOTAL	S (L S T)
6/ 19	Dry Bulb	Dry Bul	y Bulb	Wet Buil	b Dow F
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ent (X) Σ_{X}^{2} Σ_{X} X σ_{X} No. Obs. Mean No. of Hours with Temp Hum. 11573877 159119 66.3 20.663 2400 \pm 0 F \pm 32 F \pm 67 F \pm 73 F \pm 86			≥93 F		Total

14855	GL	ENVI	EW,	IL						73	-82									MA	Y
STATION			· · ·		TATION NA	H E		-						YE	ARS					MON	TH
																				AGE	
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Temp. (F)								B TEMPER										TOTAL D.B./W.B.	5 5 41	TOTAL	
62/ 91	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 1	3 - 10	17 - 18	19 - 20	• 3	23 - 24	25 - 26	27 - 28	29 - 30	- 31	3.5.7 ***.5.	Dry Bulb	Wet BUID	Dew Point
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62/61	• 3	•6	1.1	1.0		• 8	• 5	- 4	• 2									144	144	127	87
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58/ 57	. 4	1.0	1.5	1.2		• 6	. 7	• 2	• 1				i					166	166	185	124
56/ 55	. 7	1.2	1.4	1.0		• 6	• 3	• 1				1	l			İ		154	154	170	
54/ 53	.6	1.4	1.5	1.1	1.3	•5 •6	•5						+					170	170	192	144
50/ 49	9	1.2	1.5	1.4	. 8	.3	• 1	1				ļ	į.					158 151	158 151	191	185 198
48/ 47	.4	.8	2.0	1.2	. 9	•1	•0						+		+			138	138	174	
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18/ 17		'		'	'	1	1	1 '	1		1										\perp ,)
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64/ 63	- 5	1.6		1.3	7	5	• 5	• 1	• 0	J]	!	1	i				155	155	239	_
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Element (X)		Σχ2			Σx	-	<u>x</u>	σ _x	_+_	No. Ol)\$.	: 0 F	T <	32 F	Mean ≥67		10urs w 273 F	ith Tempera	ture ≥93		Total
Dry Bulb						+-			-+-		\rightarrow	- U F	_	. J. F	- 0/	- -	-/3 F	-80 F	- 73	' 	
Wet Bulb									\dashv		+		_			-+-		 	+		
Dew Point													-+-					+		+-	

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STATION	GL	ENVI	EW,	IL,	STATION NA	ME				73	<u>-92</u>			<u>YI</u>	YEARS					- JU HOI	
																				PAGE	, (L.S.T.)
Temp.									PERATURE				-	-			<u>-</u> '	TOTAL		TOTAL	
(F)	<u> </u>	1 - 2	3 - 4	5-6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30) ≥31	D.B./W.B.		Wet Bulb	
TAL	4 • 0	114.0	16.0	14.7	12.5	10.5	8.5	6.5	5 . 3	3.5	2.0	1.2	• "	• 4	• 0		<u> </u>	2430	2400	2400	248
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ement (X)		Σ_{χ^2}			Σχ		₹	σ _x		No. Ob		<u></u>			Mean	No. of	Hours w	ith Tempera	sture	<u></u>	<u>_</u>
tel. Hum.			55134		15999						100	50 F	:	≤ 32 F	≥ 67 1		≥73 F	≥80 F			Tota
Dry Bulb		1155	3882	1	16492	2 6	8.7	9.5			00				417	-9 7	150.2°	101.	7 1	1.5	721
Wet Builb			17927		14650	3 0		7.2			00				179	•7	34.8	4		-	72
Dew Point		/00	53013	4	13401	7 3	55.8	8.6	54		00			, 9	<u>, 73</u>	<u>• 31</u>	17.1				72
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73-82

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SIATION				•										•						
																		<u> </u>	HOURS	
Temp.		_					WET BU	LB TEMP	ERATURE	DEPRESS	SION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew
70/ 99		-								•0	•0						2	2		
8/ 97	1				Ì	1				•0		.0	. 1				6	6		
76/ 95			~~~					• 0	.1	• 1	• 3	• 1					16	16		1
947 93								• 2	• 2	• 2	. 3	. 1		•0			25	25		ļ
92/ 91						• 1	• 2	• 2	• 3	. 4	• 0			• C			32	32		
907 8 9					• C	.1					- 1	1	• 0				58	58		↓_
8/ 87				• 1	•0		,	• 9	. 7	. 6	. 3						85	85		
P6/ 85			0	• 1								• 0					91	91		↓
84/ 83	İ	• 0		• 2	1 .	1			1		• 1			l			99	99	1	l
92/ 81			• 1	• 3							• 1	• 0		ļ			153	153	12	
20/ 79		• 1	• 6					1	l .		• 1						171	171	17	
73/ 77	•3	<u>• 2</u>		1.5							• 1			ļ			201	201	59	
76/ 75	• 1	• 7					*		1	1							217	217	135	i
74/ 73	• 3	1.0			1.5			• 4									245	245	218	
72/ 71	• 5	1.3			1.2												231	231	261	
70/ 69	• 9	2.4									-						238	238	312 329	
68/ 67 66/ 65	• 5	1.7				1			í	:					1		199	199	288	
64/ 63	• 4	$\frac{1.5}{1.1}$							 					 	 		102	102	241	_
62/ 61	.2	1.1	1.3		L	I		1		1				ŀ			84	84	222	
60/ 59	• 2	•6							 	 	<u> </u>				 		44	44	183	
F8/ 57		.2				1	1		1		ĺ			ŀ			17	17	110	
50/ 55	• 1	• 1				 	 	 		 				 		1	10	10	56	
54/ 53	٦ - ا	. 7			1	ļ	1	Į	1	}]						3.	3	24	1 .
52/ 51																			6	
50/ 49	1		.0				1	ļ		} :							1	1	3	
48/ 47					i		 	f	1					 	i				2	?
46/ 45	l				[[[1	l i	-		
44/ 43																				T -
42/ 41	J					L	<u>l</u>		i					<u> </u>						
40/ 39	Ī	i	-				[
38/ 37																	L			<u>L</u>
OTAL	3 • 3	12.1	17.7	16.1	12.5	10.0	8.8	7.7	5.5	3.7	1.7	• 4	• 1	• 1				2479		24
	↓	لــــــــــــــــــــــــــــــــــــــ			<u></u>	L	<u> </u>		L,_	L	لـــــــــــــــــــــــــــــــــــــ			<u> </u>			2479		2479	1
Element (X)		Σχ2	2013		Σχ		X	σ _X		No. Ob						of Hours wi				
Rel. Hum.			8763		7113		9.0			24		± 0 F		≤ 32 F	≥67 F	≥73 F	≥80 F	≥93 F		Total
Dry Bulb			1711		8459		4 . 5	8.2		24						420.5			-	744
Wet Bulb			4458		6574		6.9	5.7		24			$-\!\!\!\!+\!\!\!\!\!-$			132.7	 			744
Dew Point		784	6033		5528	7 6	2.6	6.9	13	24	17				244.9	66.9	1.10	٠		744

14855 GLENVIEW, IL 73-82 AUG PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb | Wet Bulb | Dew P 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 98/ 97 .0 96/ 95 94/ 93 7 7 • 1 • 1 92/ 91 18 98 / 89 34 34 • 1 68/ 87 50 50 86/ 85 54 54 • 1 • 1 94/ 83 88 88 112 112 • l 807 79 1.1 . 2 163 163 14 73/ 77 182 • 2 182 43 76/ 75 222 222 110 74/ 73 1.0 237 237 177 1.1 72/ 71 3.5 1.0 . 7 290 290 312 3.2 3(73/ 69 2.8 1.2 .6 289 289 342 31 63/ 67 220 220 313 21 66/ 65 1.7 165 165 257 64/ 63 • 5 2.0 .1 128 128 245 • 6 62/ 61 . 1 83 83 235 20 . 2 60/ 59 55 55 179 53/ 57 • 5 • 0 36 36 103 56/ 55 . 3 . 6 23 23 64 1(54/ 53 12 48 52/ 51 22 49 50/ • 1 43/ 47 46/ 45 44/ 43 42/ 41 TOTAL 6.518.419.613.711.610.6 8.4 5.9 3.5 1.2 2480 2480 σx No. Obs. Mean No. of Hours with Temperature Element (X) 14230405 73.8 16.910 18 3121 2480 50 P ≥73 F 280 F 293 F Total Rei. Hum. 179940 13201526 72.6 7.666 2480 591.6 351.9 744 Dry Bulb 66.4 5.911 11013934 164620 395.1 105.0 Wet Bulb 2480 744 9932336 155976 62.9 7.028 2480 275.4 744 55.8 **Dew Point**

4855	GL	ENVI	EW,		TATION NAI	ME				73	-92			YEA	RS				SE	
				•														<u>;</u>	PAGE	1
Temp.							WET BUI	B TEMPE	RATURE	DEPRESS	ION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26 2	7 - 28 29	- 30 ≥ 31		Dry Bulb	Wet Bulb	Dew P
26/ 95												•0					1	1	_	
94/ 93										• 0			. 1				3	3		
92/ 91	}	}	1									•0					1	,		
97/89							•0	_			•0						12	12		
38/ 87	1		1		_		• 2	• 3		• 1	• 0	• 1					19	1		
96/ 85			 →		• 0	•1	• 1	3	• 3	• 2	- 1			 			26	26		
F2/ 81		ĺ	}	ĺ	• I	• 3 • 41	• 4 • 3	• 2 • 4	• 5 • 2	• 2	• 2						45	45	-	
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73/ 77		. a	. 1	. 8	. 6	.2	.5	. 4	. 4	. 1	• 0	1		[[- 1		77	- 1	4	
76/ 75		.2	. 7	• 3		•6	.8	• 7	. 4								109		23	
74/ 73		. 5	1.0	.7	. 5	•5	.6	. 5		.1						ĺ	116	116	50	
721 71	.2	1.0	. 8	. 8	. 8	1.7		• 2		• 0							134	134	110	
707 69	. 4	1.2	1.2	1.1	1.3	• 8	. 9	. 7	• 2	• 0					İ		188	188	120	1
69/ 67	• 6	1.5	1.5	1.1	1.0	1.0	. 9	• 3	• 2								196	196	146	1
56/ 65	. 8	1.7	1.1	1.3	1.3	• 6	• 3	. 2	• 0								178	178	192	1
F4/ 63	• 6	2.2	1.3	1.9	1.2	1.0		• 2		İ						1	218	218	172	1
62/ 61	<u>• 3</u>	1.5	1.5	1.5	1.4	•4	• 2	0									164	164	223	1
50/ 59	• 3	1.8	1.5	1.7	1.1	• 6		• 3			!			1	ĺ	1	175	175	206	1
5A/ 57	- 3	1.8	1.9	1.5	• 7	-1	• 1	_•0						 			157		210	
54/ 53	• 1	1.2	2.0	1.2	• 6 • 3	•3	• 1		1	ĺ				1			131	131	201 217	1
52/ 51	- 3	1.5	- 9	• 5	• 1	.0											92	82	174	1
50/ 49	. 5	1.2	. 8	. 4	. 1	• 0	<u> </u>				j				ł		61	61	135	i
48/ 47	• 1	.9	• 5	• 1	• 0									 			40	 - -	88	2
46/ 45	· n	. 4	. 2	. 1			ĺ			1	ļ				-		17		66	1
44/ 43	•0	• 2	• 3														14	14	28	
42/ 41			• 1											l L			3	3	17	
40/ 39			• 1														3	3	7	
39/ 37			-0														11	1	5	
36/ 35		• q)	1		1		3	
34/ 33		•0	•0											 			<u> _2</u>	2	1	
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30/29		- -			<u></u>			ليب	لسهب			لـــــا					<u> </u>	<u> </u>		
Rei, Hum.		Σχ2			Σχ		<u> </u>	σ _x		No. Ob	*	±0 F		32 F	267 F	of Hours w	*************************************	± 93 F		Total
Dry Bulb									_		-+		-+-	-		-737	1			10101
Wet Bulb													-+-			 	+	+		

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Dew Point		735	6174		3113		4.6			24			工	5.4			7,2			工	720
Wet Bulb			0053		4149	9 5			42		00			- 6	135	 	23.1	300	*	**	720
Rel. Hum. Dry Bulb		1027	9925	1	7138 5613	3 /	5.1	9.6	27	24		20 F		32 F	267 F	٠,	₹73 F	56.	293		720
Element (X)		Σχ ²	1244		Σχ	- -	X	σ _X		No. OL			T .	·				h Tempera			
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29/ 27		-																	,		
Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 - 22	23 - 24	25 - 26	27 - 28	29 - 30) ≥31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew
							WEY BI	1.D. TE4401	ED A TUBE	DEPRESS	1001 (5)										(6.5.7.)
																				PAGE	2
STATION			 ,		TATION NA	u t				73				YE	ARS					MOI	P
4355 STATION			<u> </u>		TATION NA	Ht								YE	ARS					MOI	NTH

GLENVIEN, IL 73-82 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 Dry Bulb | Wet Bulb | Dew Poir 88/ 87 0 86/ 85 .0 24/ 83 .0 • 13 827 81 . 1 • 0 207 79 • 0 • 0 •0 73/ 77 .0 761 75 • 1 . 1 • 3 26 26 73 28 28 . 1 •1 721 71 .4 • 5 51 51 . 1 .0 707 69 •5 . 4 . 1 • 0 61 61 12 . 3 68/ 67 . 4 . 2 69 69 26 10 66/ 65 • 5 99 99 44 64/ 63 . 8 120 120 68 3 .6 62/ 61 .6 117 117 81 4 60/ 59 138 138 96 5 (58/ 57 . 5 1.0 154 154 129 8: 56/ 55 1.1 1.4 1.6 . 4 178 178 139 103 54/ 53 1.1 152 152 156 10 52/ 51 1.6 • 1 197 197 178 111 507 49 207 207 217 156 47 •2 • 1 185 185 205 162 149 46/ 45 1.7 1.6 149 235 • 1 • O 171 44/ 43 1.5 1.0 138 138 1.7 212 201 1.5 42/ 41 120 120 198 17 43/ 39 . 5 1.2 139 81 81 165 38/ 37 1.1 67 67 102 192 361 35 . 8 44 44 9 16 34/ 33 31 31 65 148 32/ 31 • 1 14 39 126 14 30/ 29 12 12 20 7 5 28/ 27 10 26/ 25 41 24/ 23 2 30 22/ 21 Mean No. of Hours with Temperature Element (X) No. Obs. ≤ 0 F ≤ 32 F ≥73 F ≥93 F Total Rel. Hum. Dry Bulb Wet Bulb **Dew Point**

													PSY	СН	RO	MEI	RIC	SU	MM	ARY
14855 STATION	<u> </u>	ENVI	EW,	IL	STATION NA	ME	•			73	-82			YEARS					PAGE	
· ·	-						WET 844	LB TEMPE		DEDBEC	510hl (6)						1			(L.S T)
Temp. (F)	0	1 - 2	3 - 4	5.6	7.8								23 - 24 25 -	26 27 .	28 29 .	30 ≥ 31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
22/ 19			-	-	 			1.5		1								1., 50.2		13
18/ 17												•				ļ				• •
16/ 15					1									1						1
TOTAL	8.0	22.2	20.5	18.1	12.5	8.4	5.8	2.5	1.5	• 3	• 2							2480		2480
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Element (X)		Σχ²	٠	 	Σχ		X	σ _X		No. Ol)s.		<u> </u>	Mer	an No. (of Hours w	ith Tempera	iture	L	
Rel. Hum.			8967	1	7624	9 7		18.0	00		80	± 0 F	≤ 32 ₽		57 F	≥73 F	≥80 F	2 93	F	Total
Dry Bulb		728	3073	1	3192	1 5	3.2	10.3	52	24	80		10		0.4	26.1	4.	5		744.0
Wet Bulb			2194		1931	4 4	8.1	8.7	99	24	80		22	.8 1	3.2					744.0
Dew Point		485	1044	1	0685	6 4	3.1	9.9	80	24	80		110	.7	3.3			ــــــــــــــــــــــــــــــــــــــ		744.0
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STATION				5	TATION NA	ME								¥	EARS				MON	
																			HOURS	
Temp.							WET BUL							,			TOTAL	L	TOTAL	
76/ 75	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12 1	3 - 14	15 - 16		19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 ≥	31 D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
74/ 73	ŀ					. 1	• 3	• 11		•8					İ {	ĺ	1			
72/ 71					• 1	• 1	• 1	<u>.</u> D						 			8			
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56/ 55	• 5	1.2	• 7	• 2		• 3	• 2	• 1	•••			 		+	 		94	+		4
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52/ 51	• 1	• 5	• 5	. 7	• 5	•6	• 2	• 7									75	75	71	4
50/ 49	• 3	1.0	7	• 7	• 5	• 3	• 2							ļ			8.8	+	87	S
43/ 47	• 3	1.0	1.7	• 7			• 1		1							}	100	í	1 1	6
46/ 45	• 3	1.5	1.6	1.4		- 3						ļ ———		 	ļ <u>-</u>		132	+	97	
44/ 43	. 4	2.0	1.8	1.7	. 4	•1	. 1									[143	_	122	6
40/ 39	- 4	1.7	2.4	1.3	. 4	- 0						ļ		 	 		150			11
38/ 37	. 4	2.8	2.4	1.8	. 3	- 1	1									1	185		165	11
36/ 35	.6	1.9	2.5	1.2	•0												151		201	15
34/ 33	1.0	2.5	2.0	. 7	• 1												152	152	182	17
32/ 31	1.0	2.9	1.8	. 3	• 0											ļ	145	1 -		16
30/ 29	- 9	2.1	1.9	-1								ļ		ļ			100			15
28/ 27 26/ 25	1.0	2.2	• 6	• 1						Ì		1		1			92	_		16
24/ 23	• 8 • 6	1.0	• 5	• 1										├ -	 		50		91 62	17
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16/ 15	• 1	• 1	• 0											1			5	1 -		3
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12/ 11	• 0	• 2	• 0					ļ								[6	6	6	1
10/9 Element (X)	- 1	2 Σχ²			Σχ	- 1-	X	σ _K		No. Ob			L	<u> </u>	Mens N	la of Harri	rs with Temper	-tura		
Rel. Hum.		<u>-x</u>			<u>-x</u>		^	X	+	140, UB	-	= 0 F	1	≤ 32 F	267 F	273			•	Tetal
Dry Bulb									+									+		
Wet Bulb																		<u> </u>	1	
Dew Point																				
	_								•	•	1.45	A.A.		:		*	•.		45,7	

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Dew Point			8401		7923	5 3	3.0	12.1	21	24		3	3	374.1							720.0
Dry Bulb Wet Bulb	<u> </u>		1286 8516		9892 9076	8 4 3	7.8	11.9	18	24			9	239.4		• 7	1.5		+		720.0 720.0
Rel. Hum.		1402	2755	1	7902	3 7	4.6	16.6	9 8	241		≤0 ₽		± 32 F	≥ 67		≥73 F	≥80 F	≥93 (Total
Element (X)		Σ_{χ^2}	<u> </u>		Σx		<u>X</u>	σ_{x}		No. Ob	a.				Mean	No. of	Hours wit	h Tempera	ture		
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8/- 9 CTAL	12.5	33.A	25.7	14.3	7.0	3.8	1.9	• 7	• 2	•0				+			+		2400		2400
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6/ 5									-									1	1	2	•
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(F) 7	0	1 - 2	3 - 4	5 · 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	24 25 - 26	27 - 28	29 - 3	0 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
Temp.								LB TEMPE					_					TOTAL		TOTAL	
																			<u> </u>	HOURS	<u>Z</u>
4 3 5 S				-	AN HOLFAT	ME								YE	ARS						V ITH
~ ~ ~ ~ ~	0.5	'E MAT	2.00	1 L						73	-82									NO	¥

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PSYCHROMETRIC SUMMARY

GLENVIEW, IL 14855 73-A2 DEC PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poir 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 1 - 2 £61 65 64/ 63 8 62/ 61 17 17 637 59 13 58/ 57 11 • 1 25 25 14 56/ 55 19 19 54/ 53 21 21 15 2 7 52/ 51 18 18 16 50/ 49 • 1 26 26 1: 14 48/ 47 24 24 29 461 45 2: 29 • 0 30 44/ 43 . 2 43 43 24 421 41 28 2 1 66 66 <u>•</u> 1 431 39 1.1 2.0 • 5 106 106 67 33 38/ 37 2.2 1.5 122 122 90 5 ^ • C 35/ 35 2.7 154 8 2.6 182 182 34/ 33 . 6 257 257 200 141 32/ 4.8 31 . 4 261 261 284 177 337 29 4.9 212 212 239 203 281 27 3.6 154 154 217 189 25 261 3.2 •0 126 126 160 169 24/ 23 3.2 132 132 141 166 22/ 21 2.8 109 109 • 6 126 181 ?<u>•1</u> 20/ 19 . 6 79 79 98 129 18/ 17 1.5 60 60 8 2 117 16/ 15 .6 <u>•</u> 0 52 52 56 96 14/ 13 1.5 56 56 72 101 12/ 11 . 8 78 • 0 55 55 56 1.4 10/ 1.0 39 39 74 38 1.5 8/ 49 49 42 56 61 31 31 45 55 4/ 3 16 21 44 16 21 28 28 29 38 20 0/-Σχ Element (X) X No. Obs. Mean No. of Hours with Temperature 50 F ≤ 32 F ≥93 F Total Dry Bulb Wet Bulb **Dew Point**

Temp.											SION (F)		,		,			TOTAL		TOTAL	
(F)	0	1 - 2		5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	_		Dew Point
- 2/- 3	• 3	• 1										. [-			10	10	11	2 5
-4 /- 5 - 6/- 7 - 5/- 9 -10/-11	• 2								<u> </u>	1				1	<u> </u>			6	6	5	
- 6/- 7	• 1																	3	3	3	
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-14/-15			1												T						4
-16/-17 -15/-19				ŀ				ł		}					İ			İ		Ì	[F
-15/-19																					1
-23/-21								l							-						1
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			<u> </u>											Ĺ	<u> </u>		<u> </u>			<u> </u>	<u> </u>
Element (X)		Σ_{X}^{2}			Σχ		X	σ _x		No. O					Mean	No. of I	lours wi	th Tempera	ture		
Rel. Hum.		1574	7583		94601			13.7			78	≤0 F		≤ 32 F	≥ 67	F !	73 F	≥80 F	≥ 93		Total
Dry Buib			4770		72180		9.1	12.2	51	24	78	12	.6 4	50.7							744.3
Wet Buib			1194		6748			11.5		24	78	14	.7 5	26.9							744.0
Dew Point		171	9562		5677	2	2.9	13.0	01	24	78	42	9 6	02.9				I			744.0



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(4855	GL	ENVI	EW,		TATION NA					73	-62			 -	EARS					AL	L
STATION				•	TATION NA									•	LAKS						
1																			-	PAGE	(L 5.7)
Temp.							WET BU	LB TEMPI	ERATURE	DEPRESS	ION (F)							TOTAL		TOTAL	
(f)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20 2	1 - 22	23 - 24	25 - 26	27 - 2	8 29 - 3	0 ≥31		Dry Bulb	Wet Bulb	Dew Point
176/ 99										• 0	•0							2	7		
387 97								<u> </u>		• 🖯	_ • D	• 0	•0	· .				7	7	l	
56/ 95								_ • ĵ	• 0	• 0	•0	• 0					T	22	22	ĺ	
34/ 93							• ງ	<u>. n</u>		• D	.0	• 0	• 0	• 0	<u></u>		1	40	40		
27/ 91			- (• "	• 0	• 0	. 1	• 1	• C	• 3	1	• 0	•	O	1	67	67		ļ
20/ 89					• 0	.0	.0		• 1	• 1	• 11	• 0	•0	•0	<u> </u>	<u> </u>	<u> </u>	133	133	<u> </u>	
48/ 87			-	• 🗅	• 0	• 1	• 1	• 2	. 1	• 1	• 1	• 0	•0	•0)		1	223	223	İ	
16/ 85			•]	<u> c</u>	.0	• 1	• 2	• 2		• 1	• 1	• 0	•0	• 0		<u> </u>		257	257	<u> </u>	
4/ 83		• 0	• 0	•0	• 1	• ?	• 2	• 2	_ :	1 1	• 1	• 0	• 0	• 0	4			335	335	2	1
32/ 81			• 0	• 1	• 2	• 3	3	• ?	• 2	• 1	•1	• 3	•0		L			464	464	17	
17/ 79	• 3	• 0	• 1	• 3		• 3	. 3	• 2	• 2		• D	• 0	• 0		}	1	1	558	558	32	1
78/ 77		• 2		. 4		• 3	• 3	. 3			• 0	•0	•0		 		-	691	681	128	24
76/ 75	•0	, ,	• 4	• 3	• 5	. 4	• 4	• 3	1	1	• 0	• 0						812	812	301	65
74/ 73	• 1	- 3	• 6	• 5	. 4	.4	. 3	• 3		• 1	• 0	-0			Ĺ	-		909	909	512	
72 / 71	• 2	• 6	• 6	• 6	1	- '	. 4		1	• 1	• 0	1	1		ĺ		1	1041	1041	855	_
70/ 69	• 3	• 7	• 7	• 5	• 5	. 4	. 4	• 2		•0	• 0				 		 	1145	1145	968	
69/ 67	• 3	1	• 7	• 6	• 5	• 4	• 3	• 2	_ '	•0	•0						j	1056	1056		4
66/ 65	• 2		• 7	• 6	• 5	• 7	• 2	• 1	• 1	•0								1001	1001	1124	
64/ 63	• 2		• 6	• 6	l .	• 3	• 2	• 1		•0		1	ļ		İ		1	992	992		1
62/ 61	• 2	• 7	• 6	• 6	• 5	• 3	• 2	• 1			-	- i			1			941	941		+ - · · · · ·
63/ 59	• 2		• 6	• 6		• 3	• 2					1	- {		1	į	1	898	898	,	1009
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56/ 55	• 2		• 7	. 4	. 4	• 3	•2	1					ļ				1	856	1	,	1009
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50/ 49	• 3		• 7	• 6	• 4	•2	•1	• 0				-+			├		+	810	810	<u> </u>	+
45/ 45	• 2		• 6	• 5	. 4	• 1	•0	1				Ì	- 1					762	762		i .
44/ 43	• 2		• 7	• 5	• 3	•1	•0		 -				 +		 	+	+	795	795	941	835
42/ 41	• 3		9	_	• 2	•0												778	778	' - '	
47/ 39	• 2	.7	1.1	• 6	• 2	• •	• 0					\longrightarrow			├	+-	+		807	880	
38/ 37	• 2	l l	9	_		• '							}				1	925	925	913	853
36/ 35	• 6		1.2	• 6				 							+		+-	1025	1025		 -
34/ 33	•6	1	. 9	. 3				}		}			})		}	1042	1042	1120	}
Element (X)	•••	Σ_{χ^2}	• 7	• 3	Σχ	<u> </u>	<u>x</u>	σ _x	 	No. Ob					Man	n No. of	Hours w	ith Tempera		1120	1 4 4 6 -
Ref. Hum.						-+-			\dashv			± 0 F	<u> </u>	32 F	≥6		≥73 F	2 80 F	≥93		Total
Dry Bulb									-				- -		† - 			†- 	+		
Wet Bulb								 	_+						 			 	+		
Dew Point						+-			_						 			 	+		
																		<u> </u>			
ة سنت سب																				-	

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STATION	<u> </u>	ENVI	EW,	IL .	TATION NA	ME				_ 73	- 92				EARS					A L	L NTH
																				PAGE	2
				-			WET BU	I D TEAC	CD ATLID	DEPRES	SION (E)		· .							TOTAL	(LST)
Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 - 22	23 - 24	25 - 26	27 . 28	29 - 30	231	TOTAL D.B./W.B.	Dry Bulb		Dew Poin
32/ 31	.7	1.5	-	•2				1	1.0	1	-	-				1		973	273		1216
77/ 29	• 5	1.4	7			1			}									775	775	996	
28/ 27	. 4	1.2								†								665	565		104
767 25	. 4	1.2		_ •≎													1	591	591	719	967
24/ 23	. 4	1.1	• 3	•0														523	523	616	887
72/ 21	• 3								<u> </u>			igsquare			L		L	429	429	597	+ -
73/ 19	• 3	• 7	!!	• 0														342	342	446	
14/17	• 2	.7	• 1						ļ	\vdash							-	291	291	325	
16/ 15	• 2	• 6	l I															252	252	294	_
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3/ 7	• 2	• 5	• 1					·	-	 	 	 				†	<u></u>	195	195	211	
5/ 5	. 2	. 4								!								165	165	188	i
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77 1	• 1	• 3	• ^							1.							l	131	131	147	+
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-24/-25																					.5
-26/-27							ļ		ļ		ļ					ļ	<u> </u>	ļ			
73/-29												i									-
30/-31							ļ		↓	 		-			ļ	ļ	 	1			
32/-33		i													1						1
Element (X)		Σ_{χ^2}	L		Σχ		<u> </u>	σ _x		No. O	bs.	<u> </u>		L	Mean	No. of I	lours wi	ith Tempera	ture		1.
Rel. Hum.			-		_~							≤ 0 F	-	32 F	≥ 67		≥73 F	≥80 F	≥ 93	-	Total
Dry Bulb																			<u> </u>		
Wet Builb																					
Dew Point									L_		1										

Dew Point			4037	11	70663	41	7.1	10.5	54	292		271	.431	94.7	707.	147.0	2.4			760
Wet Bulb			0167		1519			18.6		292		111	223	61.6	1177-	297.7	9.6	5		760
Rel. Hum. Dry Bulb			2751 6244		00731 55332	1	1.47	17.8 21.2	3 7	292 292		± 0 F		≤ 32 F	≥67 F	273 F	≥80 F	≥93 21		Total 3760
Element (X)	-	Σχ ²	275		Σ _χ	-	X	σ _χ		No. Ob			1	< 00.5		of Hours wi				T-0:4
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Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 ≥ 31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew I
						 ,	WET BII	IR TEMP	FDATURE	DEPRESS	SION (E)							·	HOURS	
STATION		-		5	TATION HAM	E								Y	IARS					
4222	<u>5</u> _L	ENVI	E 24	IL						73	- 32								^i	L

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14 55 SLETVIEW, IL

73-82

STATION			s	TATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ANNUAL
	MEAN	19.1	23.9	35.5	45.6	55.3	64.2	70.1	68.9	61.7	50.3	39.8	28.1	47.0
	S. D.	14.012	13.041	11.165		9.699	7.802	6.196	5.815	7.978	9.586	11.666	12.042	19.844
	TOTAL OBS	310		≀ !			,					1	}	3652
			L 								,			
	MEAN	17.B	22.5	34.D	43.9	53.6	62.2	68.2	66.9	59.8	48.2	38.1	27.1	45.3
	S. D.	14.322	13.372	11.306	11.035	9.436	7.441	6.204	5.965	8.171	9.349	11.594	12.344	19.648
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	16.5	21.7	32.7	47 1	50.7	63.5	68.7	66.4	58.5	46.9	37.1	26.4	44.8
İ	S. D.			11.217									[20.051
	TOTAL OBS	311							310					3653
	TOTAL ODS	311		310			300	- 212	210	טטנ	310		310	3033
	MEAN	10.7	25.0	37.4	50.0	62.2	71.1	76.6	74.1	66.5	53.8	40.6	28.1	50.5
.	S. D.			11.009									12.248	21.906
	TOTAL OBS	311		3					310					3653
	MEAN	23.5	30.2	41.7	53.5	66.0	74.5	80.3	7R.4	71.2	59.2	45.3	32.3	54 . R
17	\$. D.	12.871	11.984	11.772	12.689	12.048	9.000				9.641	11.705	11.649	21.873
	TOTAL OBS	3.10	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN				F 4						FA F			
	S. D.	23.9		42.5					78.7		59.5			55.2
1	TOTAL OBS					1							11.852	22.026
	TOTAL OBS	310	292	310	300	310	300	309	310	300	310	300	310	3651
	MEAN	21.5	27.4	40.C	51.3	62.8	72.4	78.2	75.8	67.6	55.3	42.7	30.1	52.2
	S. D.	17.400	12.356	11.877	12.889	11.115	9.395	7.196	6.520	8.605	9.255	11.730	11.903	21.719
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	45451	30.5												
	MEAN	20.2		37.5		57.5				63.7				48.8
.71	S. D.												11.907	20.299
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	309	3651
A11	MEAN	23.2	25.9	37.7	48.6	59.8	68.7	74.5	72.6	65.1	53.2	41.2	29.1	49.8
ALL HOURS	S. D.	13.927	13.088	11.945	12.543								12.252	21.280
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	TOTAL OBS			2480										29215

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

YEARS

14555

GLENVIEW, IL

STATION NAME

73-82

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL,	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	16.1	22.4	33.0	41.3	50.5	59.0	65.4	65.3	57.8	46.8	37.7	26.5	43.7
;c	S. D.	13.567	12.297	10.196	9.675	8.510	7.105	5.805	5.862	7.710	8.833	11.024	11.516	18.500
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	ļ													
	MEAN			31.6	40.4	49.7		64.5	64.2	56.7		35.9		42.7
31	S. D.			10.442	9.778	8.606	7.098	5.885			8.850	11.161	11.897	18.636
	TOTAL OBS	379	282	310	300	310	300	310	310	300	310	300	310	3651
														ļ
	MEAN			30.8		50.6		65.1		56.1		35.1		42.4
35	\$. D.												12.210	19.110
	TOTAL OBS	310	282	310	300	310	330	310	310	300	310	300	310	3652
	MEAN	17 7	23.4	34.1	44 0	54.4	43 E	40 1	67.1	60.1	40.7	37.7	74 8	45.5
	S. D.												11.751	
,	TOTAL OBS			310					310		_			19.224
				- 230	300				310		310	200	310	3652
	MEAN	21.3	27.1	36.7	45.7	55.9	63.4	68.9	68.3	61.4	51.1	40.3	29.5	47.6
1 1	\$. D.			9.734										18.260
	TOTAL OBS	1	282		300	1						,	i	3652
	MEAN	21.6	27.3	37.0	45.7	\$5.8	63.4	68.7	68.4	61.2	51.1	40.2	29.5	47.6
1	S. D.	12.114	10.600	9.725	9.831	8.507	6.971	5.564	5.461	7.255	8.236	10.580	11.022	18.175
	TOTAL OBS	310	282	310	200	310	300	309	310	300	310	300	310	3651
į	MEAN			35.6										46.1
1	S. D.			9.879										18.475
···-	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	18.0	27.7	34.4	42.7	E1-6	40.0	44.8	66.2	50.8	A7.0	77.4	37.0	44.7
21	S. D.												11.437	
	TOTAL OBS	310			1				1					18.382
	.5.7							310		300	310	300	707	3651
<u> </u>	MEAN	18.8	23.9	34.2	42.9	52.8	61.0	66.9	66.4	59.0	48.1	37.8	27.2	45.0
ALL HOURS	S. D.												11.578	18.693
	TOTAL OBS			2480										29212

MEANS AND STANDARD DEVIATIONS

DEM-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14855

GLENVIEW, IL

73-82

STATION			s	TATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	13.7	18.1	28.7	36.0	45.1	55.4	62.8	63.2	54.9	43.2	32.9	27.6	39.9
26	S. D.			11.198	10.683	9.642	8.250		6.722		9.804	12.251	12.909	19.63
	TOTAL OBS	310												365
	MEAN	12.6	17.6	28.0	36.1	46.1	55.4	62.4	62.5	54.4	42.5	32.4	22.3	39.5
s •	S. D.	,	1 -	11.231	·				-			1	1 1	19.79
.,	TOTAL OBS	309		[1			1 11	365
	MEAN	11.5	17.1	27.5	76.4	47.2	54.7	63.0	62.7	5 . 2	41.9	32.0	21.7	39.5
	\$. D.												13.365	20.22
	TOTAL OBS	310							310					365
	MEAN			20.3	7.0			4 7 4	47.5		43.7	33.4	22.8	40.5
	S. D.		18.9			47.9		63.4			. • •		,	
2.7	TOTAL OBS	310	1		11.056 002			310					13.075 310	19.84 365
	MEAN	15.0	20.4	29.2	37.0	47.8	56.2	62.7	62.9	54.6	43.4	33.7	24.0	40.7
1 :	\$. D.	14.039	11.693	11.152	11.659	10.758	8.970	7.413	7.288	9.374	10.460	11.966	12.839	19.18
	TOTAL OBS	313	282	310	300	310	300	310	310	300	310	300	310	365
	MEAN	15.0	20.4	29.1	36.4	47.2	55.8	62.2	62.7	54.2	43.1	33.2	23.8	40.4
15	\$. D.	14.279	11.662	10.903	11.607	10.572	9.245	7.339	7.333	8.976	10.405	12.262	12.800	19.07
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	365
	MEAN	14.5	19.6	29.0	35.8	46.3	55.2	62.0	62.7	54.3	43.3	33.4	23.3	45.1
1 1	S. D.	14.813	12.386	11.078	11.547	10.844	9.344	7.488	7.569	8.438	10.249	12.105	12.887	19.24
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	365
	MEAN	14.2	19.2	29.5	36 . D	46.4	55.2	62.6	63.3	54.8	43.5	33.1	22.8	40.2
21	\$. D.										9.709	12.070	12.967	19.39
	TOTAL OBS	310												365
ALL	MEAN	13.7	18.9	28.7	36.3	46.9	55.8	62.6	62.9	54.6	43.1	33.0	22.9	40.1
HOURS	S. D.				11.085	10.162				8.921	9.980	12.122	13.002	19.55
	TOTAL OBS	2479			2400						2480			2921

RELATIVE HUMIDITY

14855

SLENVIEW, IL

73-82

JAN

STATION

TATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

701	TALS	100.0	100.0	99.8	99.0	95.2	86.0	67.8	42.7	19.8	76.8	2479
	21	100.0	100.0	100.0	99.0	96.1	91.0	72.6	45.2	21.0	78.2	310
	1 2	100.0	100.0	100.0	99.4	94.5	84.5	63.5	38.4	16.1	75.4	310
	1 r	190.0	100.0	100.0	96.8	89.0	70.0	50.0	29.4	13.2	70.3	310
	1.2	100.0	100.0	100.0	99.0	91.0	70.3	50.3	28.4	13.2	78.9	310
	20	100.0	100.0	100.0	100.0	97.4	92.6	70.6	44.8	22.9	78.6	310
	0€	100.0	99.7	99.4	99.0	97.7	93.9	80.3	51.3	24.8	80.5	310
	o ?	100.0	100.0	99.4	99.0	98.1	92.2	77.7	51.8	23.6	80.1	309
JAN	90	100.0	100.0	99.7	99.4	97.7	93.2	77.7	52.3	23.5	80.0	310
MOITI	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
MONTH	HOURS			PERCENT	AGE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF

1. Z

RELATIVE HUMIDITY

14855

GLENVIEW, IL

73-82

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TO:	rals	100.0	100.0	99.9	99.0	95.9	84.8	66.2	42.4	17.5	76.2	2256
	21	100.0	100.0	100.0	99.6	98.9	92.6	70.9	44.7	13.5	77.6	262
	1 n	100.0	100.0	100.0	99.3	95.4	78.7	59.2	32.6	13.5	73.6	282
	15	100.0	100.0	99.6	96.5	86.5	66.0	39.7	22.3	6.4	67.5	282
	17	100.0	100.0	99.6	76.5	88.7	66.3	41.8	27.0	11.7	68.6	292
	ŋ¢.	100.0	100.0	100.0	100.0	99.6	89.4	70.9	42.6	23.0	78.3	282
	0.5	103.0	100.0	100.0	100.0	99.6	96.1	87.6	60.3	27.0	82.9	282
	0.3	100.0	100.0	100.0	100.0	100.0	96.8	83.0	58.9	24.5	81.6	282
r r B	00	100.0	100.0	100.0	100.6	98.6	92.6	76.2	50.7	20.2	79.2	282
MONIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF





J. L

RELATIVE HUMIDITY

14855 0

GLENVIEW, IL

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTMOM	HOURS		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									
morall .	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
446	30	100.0	100.0	99.4	78.1	97.1	90.3	70.6	43.9	19.7	77.6	310
	J 7	100.0	100.0	100.0	99.7	97.4	92.6	76.1	51.0	25.2	79.9	310
	6.0	100.0	100.0	100.0	100.0	99.7	96.5	80.6	55.8	37.0	82.3	310
	29	100.0	100.0	100.0	99.0	92.9	75.8	48.7	30.0	17.7	72.1	310
	1.7	100.0	100.0	98.1	90.0	73.5	51.9	34.5	22.3	11.0	63.8	310
	1 *	100.0	100.0	97.1	83.9	71.3	51.9	31.6	18.7	7.7	62.1	310
	1 6	100.0	100.0	97.7	91.0	81.6	68.1	44.5	26.1	13.2	67.8	310
	21	100.0	100.0	99.4	97.7	93.2	82.9	61.6	38.4	17.7	74.7	310
101	TALS	100.0	100.0	99.D	94.9	88.3	76.3	56.0	35.8	17.8	72.5	2480

RELATIVE HUMIDITY

14855

STATION

GLENVIEW. IL

STATION NAME

73-82

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MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

монтн	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										TOTAL NO. OF
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	OBS.
APE	<u>۲</u>	100.0	100.0	99.0	94.7	85.0	72.7	55.3	34.3	17.3	71.7	300
	0.3	100.0	100.0	100.0	98.0	92.7	81.3	65.D	40.3	20.3	75.8	300
	0.6	100.0	100.0	100.0	99.3	94.7	86.7	70.7	49.0	25.0	78.8	300
	09	100.0	100.0	98.7	89.3	70.3	52.0	36.7	23.0	11.7	64.0	300
	12	100.0	99.3	91.0	74.7	57.3	41.0	26.7	18.3	7.3	57.6	300
	15	100.0	97.7	86.7	71.7	55.3	41.0	25.3	15.0	9.3	55.8	300
	1.6	100.0	98.7	90.0	79.0	61.7	46.3	33.0	20.7	10.0	59.7	300
	21	100.0	99.7	97.7	90.0	79.3	62.3	44.7	26.3	14.3	67.2	300
	 		ļ									
	L		 								 	
тот	ALS	100.0	99.4	95.4	27.1	74.5	60.4	44.7	28.4	14.4	66.3	2400

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RELATIVE HUMIDITY

19255

GLENVIEW, IL

73-82

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

тот	TALS	100.0	99.8	96.1	87.1	74.2	59.5	44.8	27.7	13.2	66.1	2480
	21	100.0	100.0	99.0	91.6	82.9	65.5	48.1	30.3	15.5	69-1	31
	18	100.0	100.0	92.6	77.4	58.7	43.2	30.3	18.7	9.0	58.7	31
	15	100.0	99.0	89.7	70.6	49.4	33.5	21.6	13.5	6.5	54.1	31
	12	100.0	99.7	90.0	74.5	56.5	38.4	24.8	13.5	6.8	55.8	310
	Ûè	100.0	100.0	97.1	86.8	69.0	47.1	35.2	19.0	10.6	62.5	31
	9.0	100.0	100.0	100.0	99.4	96.1	86.1	69.7	47.1	21.6	78.3	310
	0.3	100.0	100.0	100.0	99.4	92.6	84.8	69.7	44.8	19.7	77.2	310
MAY	อก	100.0	100.0	100.0	97.4	88.1	77.4	58.7	34.8	15.8	73.4	310
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
MONTH	HOURS		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									

r. L

RELATIVE HUMIDITY

14855 GLENVIEW, IL

STATION NAME

73-82

HUNTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

101	ALS	100.0	100.0	97.8	88.9	76.8	62.2	44.5	28.2	11.4	66.7	2400
	21	100.0	100.0	100.0	93.0	81.0	65.7	47.3	28.7	11.3	68.5	300
	1 5	100.0	100.0	94.7	76 • C	59.7	44.0	26.7	16.7	6.3	58.1	301
	15	100.0	100.0	93.7	72.0	51.0	35.0	20.7	11.7	4.0	54.3	371
	17	100.0	100.0	94.0	76.3	57.0	35.3	22.0	11.5	5.0	55.6	301
	50	100.0	100.0	99.7	92.3	73.3	55.0	29.7	17.0	6.7	63.1	300
	06	100.0	100.0	100.0	100.0	99.3	92.0	75.7	49.7	21.3	79.5	300
	a.t	100.0	100.0	100.0	100.0	98.3	90.3	74.0	52.7	21.3	79.8	370
JUK	זכ	100.5	100.0	100.0	9.7	95.0	80.0	60.0	38.0	15.0	74.6	300
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	OBS.
MONTH	HOURS	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										TOTAL NO. OF

L. Z

RELATIVE HUMIDITY

14255

GLENVIEW, IL

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

101	ALS	100.0	100.0	99.7	94.8	82.5	66.8	50.0	30.5	9.9	69.0	2479
	2.1	10000	100.0	100.0	77.61	73.2	,,,,,,	31.0	2001	7.4		
	21	100.0	100.0	100.0	99.7	93.2	79.7	51.6	28.1	9.4	71.8	31
	IP	120.0	100.0	99.4	89.7	68.7	40.6	24.5	12.3	2.3	59.4	31
	15	100.0	100.0	99.0	83.8	54.0	32.0	16.5	6.8	2.9	55.0	30
	12	100.0	100.0	99.0	86.8	60.0	36.5	22.3	9.4	2.3	57.0	31
	0.0	100.0	100.0	100.0	98.4	84.8	57.7	33.9	17.1	6.5	65.3	31
	06	100.0	100.0	100.0	100.0	99.7	97.1	88.1	61.6	22.3	82.7	31
	<u>a?</u>	100.0	100.0	100.0	100.0	100.0	97.4	86.5	62.9	19.4	82.3	31
JUL	3 0	100.0	100.0	100.0	100.0	99.4	93.5	76.8	45.5	14.2	78.5	31
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
монтн	HOURS		PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									

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RELATIVE HUMIDITY

14855 GLENVIEW, IL

73-82

PERIOD

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STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONIN	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
Anc	ar	100.0	100.0	100.0	100.0	99.7	97.4	87.4	60.6	22.9	82.7	310
	7.0	100.0	100.0	100.0	100.0	99.7	99.0	93.5	75.2	31.6	86.2	310
	96	100.0	100.0	100.0	100.0	100.0	100.0	93.9	81.9	45.2	88.4	310
	77	100.0	100.0	100.0	99.0	92.9	72.9	44.8	28.7	11.3	70.3	310
	12	100.0	100.0	100.0	93.5	71.9	43.9	26.5	13.2	4.8	60.8	310
1	15	100.0	100.0	99.7	93.9	67.1	42.6	23.5	12.9	3.9	59.8	310
	1.5	100.0	100.0	99.7	96.1	84.8	58.1	35.8	19.7	6.5	65.7	310
	21	100.0	100.0	100.0	100.6	99.0	89.7	66.5	41.0	15.2	76.8	310
TO1	ALS	100.0	100.0	99.9	97.8	89.4	75.5	59.0	41.7	17.7	73.8	2480

1.7

RELATIVE HUMIDITY

14855

GLENVIEW, IL

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONIA	(L.S.T.)	10%	20%	30%	40%	50%	60°•	70%	80%	90%	HUMIDITY	OBS.
SEP	0.0	100.0	100.0	100.0	100.0	98.7	94.3	75.7	49.3	15.7	79.5	300
	a. ?	100.0	100.0	100.0	100.0	99.7	96.7	84.7	63.7	23.7	83.1	300
	26	100.0	100.0	100.0	100.0	100.0	98.0	89.7	74.7	33.3	86 • C	300
	U 6	180.0	100.0	100.0	99.7	91.7	72.7	44.3	22.3	8.3	69.3	300
	12	100.0	100.0	99.3	85.7	59.7	38.3	22.3	11.0	5.3	58.0	300
	15	100.0	100.0	98.3	83.7	58.7	37.7	18.7	12.7	4.7	56.8	300
	18	100.0	100.0	100.0	95.3	78.7	55.0	34.3	19.3	5.0	64.6	300
	21	100.0	100.0	100.0	100.0	95.7	83.3	59.0	35.7	11.0	74.0	300
101	TALS	100.0	100.0	99.7	95.6	85.4	72.0	53.6	36.1	13.4	71.4	2400

RELATIVE HUMIDITY

14855 GLENVIEW, IL

73-82

PERIOD

DOT

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

монтн	HOURS	1		PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MUNIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
or T	- -	100.0	100.0	100.0	39.7	96.1	86.8	71.6	44.5	24.2	78.2	310
	(3.3	150.0	100.0	100.0	29.7	98.]	93.2	79.0	53.9	28.1	91.8	310
	3€	100.0	100.0	100.0	99.7	99.7	94.8	85.2	61.3	30.6	83.5	310
	4.5	100.0	100.0	100.0	99.4	92.3	71.3	44.2	21.3	10.6	69.8	310
	1.7	100.0	106.0	98.4	86.5	61.6	78.4	23.2	13.5	5.5	58.2	310
	15	107.0	100.0	96.8	81.6	59.4	39.4	21.6	12.6	5.5	57.1	310
	I 2	100.0	100.0	99.7	94.5	80.0	59.7	40.0	22.6	A . 1	66.3	310
	21	100.0	100.0	100.0	99.D	93.2	73.5	58.1	36.5	17.1	73.6	310
												*=
												i
TOI	FALS	100.0	100.0	99.4	95.0	84.9	69.6	52.9	33.3	16.2	71.1	2480

RELATIVE HUMIDITY

1 4 55 SLENVIEW, IL

STATION NAME

73-92

PERIOD

N O ↓ MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONIH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
∿ ∩ v	3.5	167.0	175.5	100.0	68.7	96.7	85.3	68.3	47.0	21.3	77.7	300
	ļ ,, ,	100.0	100.0	100.	<9.7	98.0	92.3	79.3	54.0	28.7	91.0	<u>.</u> 200
		100.0	100.0	100.0	c 9.7	98.3	94.3	83.0	63.0	32.3	92.6	300
	1.11	100.0	100.0	100.0	₽9.3	95.7	84.7	66.3	42.3	20.7	77.1	300
	1,7	100.0	100.0	99.3	04.6	±0.⊓	57.7	39.7	24.0	10.0	66.1	300
	1 %	100.0	120.0	99.0	91.7	73.7	55.0	39.7	22.3	9.3	64.6	300
	1.7	100.0	ଂ9∙7	99.3	26.3	58.3	72.7	54.0	33.7	14.7	71.7	300
	> 1	102.0	1/0.0	100.0	79.0	94.3	81.0	65.3	41.3	18.3	76.0	מחצ
•												
			1								!	
- • :: :	•											
TO	TALS	130.0	1^0.0	99.7	97.3	93.6	77.9	61.9	40.6	19.4	74 .6	2400

RELATIVE HUMIDITY

1 - 55 BLEFVIEW, IL

STATION NAME

73-92

DEC

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
DE C		100.0	100.0	100.0	100.0	99.0	93.2	77.7	53.5	22.3	80.5	310
	J 3	1 0 0.n	100.0	100.0	100.0	99.0	96.1	83.5	60.0	26.8	82.7	310
ļ	26	100.0	100.0	100.0	100.0	99.4	96.8	83.5	63.9	34.2	83.3	310
	د <u>()</u>	100.0	100.0	100.0	100.0	98.7	94.2	78.1	52.3	27.7	81.2	310
	1.7	100.0	100.0	100.0	99.0	92.9	76.5	52.6	32.3	15.5	72.7	310
; ;	1 -	100.0	100.0	100.0	98.4	94.2	76 - 1	51.0	27.4	14.2	72.G	310
i i	1 =	100.0	100.0	100.0	79.7	97.7	89.6	68.6	41.1	15.2	76.8	309
	21	160.9	100.0	150.0	100.0	98.1	93.2	76.4	47.9	19.4	79.8	30.9
TOT	ALS	100.0	170.0	100.0	99.6	97.4	89.5	71.4	47.3	21.9	78.5	7478

1.. 7

RELATIVE HUMIDITY

14-55 GLESVIEW, IL

73-82

ALL

STATION

STATION NAME

PERIO

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTMOM	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONIA	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
JAN	ALL	100.0	180.0	99.8	99.0	95.2	86.0	67.8	42.7	19.8	76.8	2479
764	; 	100.0	100.0	99.9	99.0	95.9	84.8	66.2	42.4	17.5	76.2	2256
PAR	+	100.0	100.0	99.0	94.9	88.3	76.3	56.0	35.8	17.8	72.5	2480
1 PF	: ! !	107.0	99.4	95.4	87.1	74.5	60.4	44.7	28.4	14.4	66.3	2400
V A Y	: 	100.0	79.8	96.1	87.1	74.2	59.5	44.8	27.7	13.2	66.1	2480
JUN	!	100.0	100.0	97.8	88.9	76.8	62.2	44.5	28.2	11.4	66 • 7	2400
JUL		100.0	130.0	99.7	94.8	82.5	66.8	50.0	30.5	9.9	69.J	2479
AUG	ļ 	100.0	100.0	99.9	97.8	89.4	75.5	59.0	41.7	17.7	73.8	2480
SEP		100.0	100.0	99.7	95.6	85.4	72.0	53.6	36.1	13.4	71.4	2400
COT		100.0	100.0	99.4	95.0	84.9	69.6	52.9	33.3	16.2	71.1	2450
MOA	İ	100.0	100.0	99.7	97.3	90.6	77.9	61.9	40.6	19.4	74.6	2400
DEC		100.0	100.0	100.0	99.6	97.4	89.5	71.4	47.3	21.9	78.5	2478
70	TALS	100.0	99.9	98.9	94.7	86.3	73.4	56.1	36.2	16.1	71.9	29212

WIND DIRECTION

JANUARY 1973-DECEMBER 1982 JANUARY

WIND [DIRECTION
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					WIND DIR	ECTION					
TEMP.	WNN & N	NNE 8 NE	ENE & E	£5.E 8. S.E	\$\$E & \$	55W & 5W	wsw & w	WNW & NW	CALM	TOTAL	TOTAL
122 ·											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 10 %											
87 TO 91											
82 10 86											
77 TO 81											
72 10 76											
67 TO 71											
62 10 60											
57 TO 61				50.0					50.0	2	
52 TO 56			4.5	4.5	40.9	40.9	9.1			22	
47 TO 51	3.8			3.8	23.1	53.8	11.5		3.8	26	1.
42 10 46	2.0		4.1	8.2	18.4	30.6	24.5	2.0	10.2	40	2.
37 10 41	3.8	3.1	6.9	11.5	17.6	19.1	26.0	4.6	7.6	131	5.
32 TO 36	5.9	5.0	7.9	6.2	11.2	20.3	24.4	7.9	11.2	340	13.
27 17 31	16.7	6.2	5.9	4.1	11.7	11.7	26.4	9.1	8.2	341	13.
22 10 26	14.7	5.9	7.1	2.3	9.0	15.G	20.1	17.5	8.5	354	14.
17 to 21	15.9	2.4	1.6	3.6	8.8	13.1	22.7	20.3	11.6	251	10.
12 10 16	15.1	. 4	1.2	1.2	5.0	8.1	30.2	32.6	6.2	258	17.
7 10 11	12.4	. 4	. 8		3.5	8.5	30.6	32.9	10.9	258	10.
2 10 6	6.7	• 5			2.1	8.8	40.4	36.3	5.2	193	7.
3 TO 1	6.3			.7	2.8	10.6	43.7	28.2	7.7	142	5.
8 10-4						10.0	56.7	26.7	6.7	60	2.
-13 10 -9						10.0	56.7	26.7	6.7	30	1.
~18 10~14	5.0					5.0	45.0	45.C		20	•
-23 TO19							20.0	80.0		5	•
- 28 10 - 24											
- 33 TO - 29											
-38 TO -34											
-43 TO 39											
45 10 44											
- 53 TO -44				i							
~58 TO - 54											
_ 50 & 1 WR											
TOTALS	15.9	2.9	3.7	3.1	8.4	13.8	28.6	19.9	8.6	2482	100.

Vs.

WIND DIRECTION

14755 FLERVIEW. IL JANUARY 1973-DECEMBER 1982 FEERUARY
STATION VEARS MONTH HOURS LISTS

				1	WIND DIRE	CTION					
TEMP.	NNW & N	NNE & NE	ENE & E	8 SE	\$5E & \$	55W & 5W	wsw & w	WNW & NW	CALM	TOTAL	°c Of TOTAL
122 -							7				
117 (012)											
112 10 116											
107 10 111											
102 TO 106											
97 TO 101											
92 10 96											
87 70 91											
82 10 86											
77 10 81											
72 10 76											
67 10 71											
62 10 66						28.6	71.4			7	. 3
57 10 61	5.9				23.5	41.2	17.6	11.6		17	8
52 10 56					21.4	39.3	25.0	7.1	7.1	2.8	1.2
47 10 51	3.3	1.6	3.3	6.6	23.0	31.1	26.2	1.6	3.3	61	2.7
42 10 46	3.7	3.7	6.4	6.4	17.4	37.6	15.6	3.7	5.5	109	4.8
37 TO 41	4.7	7.0	13.1	5.1	8.9	18.2	24.3	9.3	9.3	214	9.5
32 TO 36	9.8	14.9	14.1	3.2	8.0	14.6	18.9	8.0	8.5	376	16.7
27 10 31	9.6	13.9	17.1	4.1	3.2	11.6	16.8	11.3	12.5	345	15.3
22 10 26	12.4	11.8	11.8	3.4	4.3	17.3	15.2	11.8	12.1	323	14.3
17 to 21	15.9	4.0	3.1	4.0	7.5	17.2	18.9	13.2	16.3	227	10.1
12 10 16	22.2	2.1		3.2	2.6	15.3	14.3	26.5	13.8	189	8.4
7 10 11	14.3	.6	2.9	•6	3.4	8.0	20.0	30.9	19.4	175	7.8
2 10 6	11.9		3.7	1.8	2.8	8.3	37.6	23.9	10.1	109	4.8
-3 10 1	5.9				3.9	27.5	35.3	19.6	7.8	51	2.3
8 10-4						22.2	50.0	27.8		18	. 8
- 13 109							71.4		28.6	7	• 3
-18 TO-14											
-23 TO-19											
-28 TO -24											
-33 TO -29											
-38 TO-34											
-43 10-39											
-48 TO-44											
-53 TO -49											
-58 TO-54											
~59 & LWR											
TOTALS	10.9	7.8	9.0	3.4	6.6	16.6	20.2	13.8	11.4	2256	100.0

vs.

WIND DIRECTION

14855 GLENVIEW, IL

JANUARY 1973-DECEMBER 1982 MARCH

					WIND DIR	ECTION					
TEMP.	WNN N &	NNE & NE	ENE & E	£5E & 5E	22.E	w22 w2.8	wsw & w	WNW & NW	CALM	TOTAL FREQ.	C. OF TOTAL
122 4											
117 70 121											
112 10 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 10 96											
87 TO 91											
82 TO 86											
77 10 81					25.0	50.0	25.0			4	. 2
72 10 76					9.1	63.6	27.3		_	11	, 4
67 TO 71					21.1	52.6	26.3			19	. 8
62 TO 66			1.5	4.4	32.4	45.6	14.7	1.5		69	2.7
57 TO 61		3.3		12.0	37.0	30.4	14.1	3.3		92	3.7
52 TO 56	2.9	. 7	4.3	14.5	23.2	23.9	14.5	8.7	7.2	138	5.6
47 TO 51	4.7	4.7	8.3	9.5	18.3	20.1	18.9	8.3	7.1	169	6.8
42 10 46	7.0	7.9	10.3	4.3	16.2	11.9	16.9	9.6	15.9	302	12.2
37 10 41	8.9	15.2	17.5	5.9	5.7	9.3	13.6	14.5	9.3	440	17.7
32 10 36	13.2	15.6	16.9	4.5	4.7	10.0	13.9	9.4	11.7	531	21.4
27 10 31	14.3	14.9	13.7	1.8	2.1	6.0	15.2	13.4	18.5	335	13.5
22 TO 26	14.7	5.3	7.9	1.6	4.2	9.5	18.4	23.7	14.7	190	7,7
1/ 10 21	19.4	1.1	9.7		3.2	6,5	16.1	32.3	11.8	93	3.8
12 TO 16	6.7	1.7	3.3		6.7	11.7	30.0	23.3	16.7	60	2.4
7 10 11	11.8					5.9	41.2	23.5	17.6	17	. 7
2 10 6					11.1		44.4	33.3	11.1	9	. 4
-3 to 1							100.0			1_	0.0
- 8 TO-4											
-13 70 -9							L				
- 18 7014											
-23 TO-19							ļl				
28 TO - 24							ļ				
-33 10-29							 				
-38 1034							<u> </u>				
-43 10- 39							 				
-48 10-44							 				
-53 TO-49	+						ļ				
-58 TO-54							 				
-59 & LWR							 				
TOTALS	9.8	10.0	11.7	4.9	10.0	13.2	16.1	12.7	11.6	2479	100.0





vs.

WIND DIRECTION

14855 SLENVIEW, IL JANUARY 1973-DECEMBER 1982 APRIL

WIND DIRECTION °o OF TOTAL NNW NNE ENE ESE SSE SSW wsw WNW TEMP. CALM 8 N & NE & SE 8.5 & SW & NW FREQ. TOTAL 122 117 10 121 112 TO 116 107 TO 111 102 TO 106 97 TO 101 92 10 % 87 10 91 100.0 82 TO 86 10.0 45.0 35.0 5.0 5.0 20 . 8 16.1 51.6 19.4 77 TO 81 3,2 9.7 31 3.4 1.7 1.7 72 10 76 1.7 28.8 44.1 18.6 59 2.5 1.8 5.3 67 10 71 5.3 31.0 36.3 12.4 1.8 113 4.7 5.3 1.6 37.8 28.2 11.7 7.8 62 10 66 1.1 4.3 6.4 3.7 5.3 188 4 . 8 19.7 17.8 15.9 208 57 10 61 4.8 12.0 11.1 5.3 8.7 8.7 52 10 56 5.3 9.8 16.2 10.2 15.5 11.7 14.7 9.8 6.8 265 11.0 47 TO 51 9.1 18.0 15.3 9.1 11.2 5.3 10.3 8.0 13.6 339 14.1 15.8 20.3 17.2 7.9 <u> 3 • 3</u> 3.6 12.4 7.7 11.7 418 42 TO 46 17.4 37 10 41 15.2 21.8 17.3 3.6 3.6 9.6 7.2 19.7 335 2.1 14.0 32 10 36 16.5 24.4 12.0 5.2 2.1 4.5 7.6 10.0 17.9 291 12.1 7.9 27 10 31 12.4 21.3 13.5 1.1 2.2 14.6 27.C 89 3.7 11.5 3.8 15.4 22 TO 26 15.4 30.8 23.1 26 1.1 45.5 45.5 17 TO 21 9.1 11 • 5 50.0 50.0 12 10 16 4 • 2 7 10 11 2 10 6 - 1 TO 1 -810-4 -13 TO -9 18 10-14 -23 10 -19 -28 TO -24 -33 TO-29 -38 TO-34 -43 TO-39 - 48 TO-44 --53 10 -49 -58 TO - 54 -59 & LWR TOTALS 6.8 11.6 11.5 12.0 7.8 12.5 2400 100.0 10.0 14.6 13.3

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

vs.

WIND DIRECTION

14355 OLENVIEW, IL STATION NAME

JANUARY 1973-DECEMBER 1982 MAY

					WIND DIR	ECTION					
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	\$\$E & \$	\$\$W & \$W	wsw & w	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 10 121											
112 TO 116											
107 TO 111											
102 10 106											
97 TO 101											
92 TO 96					130.0					1	, O
87 TO 91			6.5	9.7	25.8	41.9	12.9	3.2		31	1.3
82 10 86			4.0	13.3	24.D	38.7	13.3	6.7		75	3.0
77 10 81		5.6	8.0	10.4	20.8	22.4	23.2	6.4	3.2	125	5.0
72 10 76	• 5	3.0	13.1	7.8	18.0	24.8	19.4	6.3	6.3	206	8.3
67 10 71	1.4	6.4	14.2	8.2	16.4	21.7	15.3	5.0	11.4	281	11.3
62 10 66	2.9	13.0	16.0	5.9	11.7	14.0	16.6	5.5	14.3	307	12.4
57 TO 61	8.4	17.0	21.7	6.5	8.6	7.3	8.9	3.1	18.3	382	15.4
52 TO 56	7.8	20.6	19.9	5.2	4.0	5.0	7.3	8.0	22.2	423	17.1
47 10 51	15.8	29.6	15.5	4.3	. 6	1.7	4.9	8.9	18.7	348	14.0
42 TO 46	17.5	26.8	11.9	2.1	1.0	1.0	7.2	4.6	27.8	194	7.8
37 TO 41	28.1	22.5	7.9			3.4	7.9	7.9	22.5	89	3.6
32 10 36	11.1	16.7	5.6				11.1	5.6	50.0	18	.7
27 10 31											
22 TO 26											
17 10 21											
12 TO 16											
7 10 11											
2 10 6											
-3 10 1											
-8 TO-4											
13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO 39											
48 10 - 44											,
-53 TO-44											
-58 TO-54											
-59 R LWR											
TOTALS	7.9	16.3	15.4	6.0	9.1	11.5	11.4	6.1	16.3	2480	100.0



VS.

WIND DIRECTION

14855 GLENVIEW . IL STATION NAME

JANUARY 1973-DECEMBER 1982

JUNE

MONTH TOO

				•	WIND DIRE	CTION					
TEMP.	WNN N &	NNE & Nt	ENE & E	ESE & SE	\$ \$ E & \$	ssw & sw	wsw & w	WNW & NW	CALM	TOTAL FREQ.	% OF
122 •										1	
117 70 121								-			
112 TO 116										•	
107 (Q 111											
102 10 106	Ĩ										
97 TO 101											
92 10 96					22.2	44.4	33.3			9	. 4
87 TO 91	2.7	1.4	1.4	2.7	9.5	47.3	31.1	4.1		74	3.1
82 TO 86	1.1	2.9	7.5	4.0	16.1	30.5	29.9	5.2	2.9	174	7.3
77 TO 81	1.9	5.1	11.7	5.8	14.4	24.5	26.1	6.2	4.3	257	10.7
72 10 76	4.2	5.6	12.0	6.6	12.9	20.0	18.3	8.5	12.0	426	17.8
67 10 71	4.6	9.9	10.8	9.9	11.0	13.2	15.0	7.3	18.1	453	18.9
62 10 66	6.5	12.3	12.3	6.0	9.6	8.2	16.1	6.3	22.8	416	17.3
57 10 61	10.0	23.0	12.4	3.0	3.3	6.1	12.4	3.9	25.8	330	13.8
52 TO 56	19.4	28.8	12.0		. 5	1.0	3.1	2.6	32.5	191	8.0
47 10 51	31.3	26.6	3.1					4.7	34.4	64	2.7
42 TO 46	16.7							16.7	66.7	દ	. 3
37 TO 41											
32 10 36											
27 10 31											
22 TO 26											
17 10 21											
12 10 16											
7 70 11											
2 10 6											
-3 TO 1											
-8 TO-4											
-13 70 -9	i										
-18 TO-14							i				
-23 10-19					-						
28 TU-24								-			
-33 10-29					-						
-38 TO-34											
-43 TO -39											
- 48 10 44											
-53 TO-49											
-58 TO -54	1		1			l l					
-50 8 LWR											

WIND DIRECTION

SLENVIEW, IL

JANUARY 1973-DECEMBER 1982 JULY

		STATION NA	4.44				TEARS			MONTH	
				•	WIND DIRE	CTION					
	NNW	NNE	ENE	ESE	SSE	ssw	wsw	www		TOTAL	°c OF
TEMP.	8 N	& NE	8 E	& SE	8.5	8 SW	8 W	& NW	CALM	FREO.	TOTAL
122 ·											
117 70 121											
112 TO 116											
107 10 111											
102 TO 106											
97 TO 101			12.5			75.0		12.5		9	• 3
92 10 %	3.6	1.8	1.8		3.6	28.6	57.1	1.8	1.8	56	2.3
87 70 91	5.0	1.3	8.1	1.9	11.9	28.1	34.4	6.9	2.5	160	6.5
82 10 86	3.3	4.4	11.7	6.6	11.7	22.3	27.4	9.9	2.9	274	11.1
77 10 81	3.4	9.1	15.4	7.5	10.7	19.5	18.4	7.3	8.8	441	17.8
72 10 76	4.7	13.5	18.2	6.1	7.6	16.1	12.5	4.0	17.2	576	23.2
67 10 71	10.3	19.0	12.3	4.7	6.7	6.1	9.6	3.4	28.0	554	22.3
62 10 66	14.3	17.7	5.D	1.3	3.7	1.7	6.7	6.7	43.D	300	12.1
57 TO 61	9.4	14.6	1.0		1.0	3.1	6.3	9.4	55.2	96	3.9
52 10 56	7.7								92.3	13	• 5
47 TO 51									100.0	1	•0
42 10 46											
37 FO 41											
32 10 36											
27 10 3:											
22 TO 26											
17 10 21											
12 10 16											
7 70 11											
2 10 6											
-3 10 1											
-8 TO-4											
- 13 TO - 9											
-16 70-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 10 - 39											
48 10 - 44											
53 10 - 49									L]		
-58 TO54									I		
59 & LWR]]		
TOTALS	6.9	12.3	12.3	4 . A	7.8	14.1	15.9	5.8	20.2	2479	100.0

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WIND DIRECTION

14355 CLENVIEW, IL

JANUARY 1973-DECEMBER 1982 AUGUST

1927. 1927. 1927. 1928. 1928. 1928. 1928. 1929.	°∈ OF
107 107	TOTAL
102 101 102 101 103 103 103 103 104 103 104 105 10	
17.6 100.0 1 1 17.6 47.8 34.8 23 25 17.0 1 1 14.3 40.7 30.8 5.5 4.4 91 17.7 10.8 1.0 2.5 5.1 4.1 13.2 33.5 27.4 7.1 4.1 197 17.7 10.8 2.2 4.2 16.7 8.2 14.2 24.6 16.9 4.5 8.5 40.2 27.0 6 4.8 11.4 17.5 6.5 14.2 13.7 12.3 4.5 15.1 50.4 27.0 6 4.8 11.4 11.6 5.4 11.6 11.2 9.2 5.7 23.4 65.4 27.0 6 12.9 7.8 2.1 3.9 6.9 9.0 6.6 41.3 33.4 27.0 6 19.5 3.0 4.5 1.5 5.3 8.3 6.0 51.9 133 27.0 6 19.5 3.0 4.5 1.5 5.3 8.3 6.0 51.9 133 27.0 6 47.0 1 47.0	
17.4 47.8 34.8 23 34.7 10 2.2 1.1 1.1 14.3 40.7 30.8 5.5 4.4 91 2.2 10.9 1.0 2.5 5.1 4.1 13.2 33.5 29.4 7.1 4.1 1.9 1.9 7.7 10.8 2.2 4.2 16.7 8.2 14.2 24.6 16.9 4.5 8.5 40.2 27.2 10.7 4.8 11.4 17.5 6.5 14.2 13.7 12.3 4.5 15.1 50.4 5.7 17.1 3.0 14.1 11.6 5.4 11.6 11.2 9.2 5.7 23.4 654 4.7 10.5 5.5 14.2 13.7 12.3 4.5 15.1 50.4 4.7 5.7 5.5 5.3 8.3 6.0 51.9 13.3 5.7 17.1 71.4 35.4 10.5 5.7 5.7 17.1 71.4 35.4 10.5 5.7 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5 5.7 17.1 71.4 35.4 10.5	
87 10 91	
1	
77 10 81	
17.5	7.
67 TO 71	16.
Section Sect	24,
97 10 61	26.
52 TO 56	13.
47 10 51	5.
42 TO 46 37 TO 41 32 TO 36 32 TO 36 32 TO 31 32 TO 39 32 TO 28 34 TO 21 35 TO 21 37 TO 21 38 TO 24 38 TO 24 39 TO 29 39 TO 24 39 TO 29 30 TO 29 30	1.
37 10 41 32 10 36 27 10 31 22 10 26 32 32 32 32 32 32 32 32 32 32 32 32 32	
32 TO 36 27 TO 31 22 TO 26 37 TO 21 39 TO 40 40	
27 10 31 22 10 26 17 10 21 12 10 16 7 10 11 2 10 6 -3 10 1 -6 10-4 -13 10 9 -18 10-14 -23 10-19 -28 10-24 -33 10-29 -38 10-34 44 10-39 45 10-44 -33 10-42 -55 10-54 -5 2 8 10/54	
22 TO 26 17 TO 21 12 TO 16 7 TO 11 2 TO 6 -3 TO 1 -6 TO -4 -13 TO 9 -18 TO -14 -23 TO -19 -28 TO -24 -33 TO -29 -38 TO -34 -4) TO -39 -46 TO -44 -53 TO -44 -53 TO -44 -53 TO -44 -53 TO -54 -56 TO -54 -56 TO -54 -57 A LWR	
17 10 21 12 10 16 7 10 11 2 10 6 -3 10 1 -6 10-4 -13 10 -9 -18 10-14 -23 10-19 -28 10-24 -33 10-29 -38 10-34 -43 10-39 -45 10-44 -53 10-44 -53 10-44 -53 10-54 -59 2 LUV8	
12 10 16	
7 TO 11 2 TO 6 -3 TO 1 -6 **O-4 -13 TO -9 -18 TO -14 -23 TO -10 -28 TO -24 -33 TO -29 -38 TO -34 -41 TO -39 -45 TO -44 -53 TO -44 -53 TO -54 -55 TO -54 -50 A LV/8	
2 TO 6 -3 TO 1 -6 fO-4 -13 TO -9 -18 [D-14 -23 TO-10 -28 TO-24 -33 TO-29 -38 TO-34 -41 TO-39 -45 TO-44 -53 TO-44 -53 TO-44 -50 TO-44 -50 A LWB	
-3 TO 1	
- 8 70-4 -13 70 - 9 -18 10-14 -23 70-19 -28 70-24 -33 70-29 -38 70-34 -41 70-39 -45 10-44 -53 70-44 -53 70-44 -50 8 10-54 -50 8 10-54 -50 8 10-54 -50 8 10-54 -50 8 10-54	
-13 TO -9 -18 10 -14 -23 TO -19 -28 TO -24 -33 TO -29 -38 TO -34 -41 TO -39 -45 TO -44 -53 TO -44 -53 TO -54 -58 TO -54 -59 A LV/8	
-18 13 -14 -23 10 -19 -28 10 -24 -33 10 -29 -38 10 -34 -41 10 -39 -45 10 -44 -53 10 -47 -58 10 -54 -59 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
-23 TO -19 -28 TO -24 -33 TO -29 -38 TO -34 -43 TO -39 -45 TO -44 -53 TO -47 -58 TO -54 -59 TO -54 -59 A LV/R	·
- 28 TO - 24 - 33 TO - 29 - 38 TO - 34 - 41 TO - 39 - 45 TO - 44 - 53 TO - 47 - 58 TO - 54 - 50 A LV/R	
-33 TO -29 -38 TO -34 -43 TO -39 -45 TO -44 -53 TO -47 -58 TO -54 -50 A LV/R	
-38 TO -34 43 TO -39 45 TO -44 -33 TO -47 -38 TO -54 -39 R LV/R	
43 TO -39	
- 48 10 - 44 53 10 - 42 53 10 - 54 50 8 LV/R	
- 53 TO - 42	
58 TO 54	
- 50 % LV/R	
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	
TOTALS 6.2 9.3 11.8 5.0 11.1 16.1 13.7 5.5 21.3 2400	100.

VS.

WIND DIRECTION

WIND DIRECTION

14355 SLEMVIEW, IL

JANUARY 1973-DECEMBER 1982 SEPTEMBER

TEN1P.	NNW & N	NNE & NE	ENE & E	ESE & SE	55E & 5	w22 w2.8	wsw &_w	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122 -											,
117 TO 121											
112 TO 116			<u>T</u>								
107 TO 111											
102 TO 106											-
97 TO 101											-
92 TO 96			25.0			50.0	25.0			4	. 2
87 TO 91			6.3		15.6	25.0	53.1			32	1.3
82 TO 8c	1.1	1.1	2.2	1.1	18.3	41.9	26.9	5.4	2.2	93	3.9
77 TO 81	2.4	. 6	4.1	1.8	23.5	35.3	20.6	6.5	5.3	170	7.1
72 TO 76	3.2	7.4	6.3	4.2	20.4	26.8	15.8	7.7	8.1	284	11.8
67 10 71	8.5	12.9	9.8	5.9	12.4	17.0	14.4	6.5	12.6	459	19.1
62 70 66	9.0	15.4	13.2	7.5	6.9	11.1	9.2	6.3	21.5	479	20.0
57 10 61	16.0	12.8	9.4	4 . 8	7.5	6.8	10.9	10.4	21.3	413	17.2
52 TC 56	17.5	9.1	4.2	•7	6.3	7.7	13.3	14.0	27.3	286	11.9
47 10 51	10.1		. 7		2.9	4.3	10.1	30.2	41.7	139	5.8
42 TO 46	15.6					3.1	3.1	25.0	53.1	32	1.3
37 T⊖ 41								16.7	83.3	6	. 3
32 TO 36							33.3		66.7	3	• 1
27 10 31											
22 10 26											
17 10 21											
11 10 16						i					
7 10 11		i									
2 10 6											
-3 10 1											
8 TO=4											
13 10 - 9		i]			
18 T⊃+-14											
- 23 10 19											
- 28 TO-24											
_33 TO _29											
-38 TO-34											

4.2 11.0 15.5 13.8

2460 100.0

NAVWEASERVCOM

-58 TO-54

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

WIND DIRECTION

14855 | LENVIEW. IL

JANUARY 1973-DECEMBER 1982 CCTOBEP

					WIND OIK						
TEMP.	WNW N &	NHE & NE	ENE & E	ESE & SE	55E & 5	55W & SW	wsw & w	WNW & NW	CALM	TOTAL FREQ.	F- OF
122 -											
117 10 121											
112 10 116											
107 10 111											
102 TC 196											
97 10 101					-	·					
92 10 96											
87 10 91							100.3			1	
82 10 56					62.5	37.5	14000			A	
77 10 81 .				4.2	37.5	45.8	12.5			24	1.
72 TO 76 :	1.3	2.5	1.3	3.8	34.2	45.6	7.6	2.5	1.3	79	3 .
57 10 71	-6	1.3	4.5	5.1	36.5	33.3	12.2	1.9	4.5	156	6.
62 TÚ 65	. 4	4.9	6.0	4.6	21.2	31.8	14.1	6.0	11.0	283	11.
7 TO 61	3.5	11.3	5.5	5.2	13.3	19.7	19.1	7.8	14.5	345	13.
2 10 56	4.8	11.3	7.3	3.6	11.8	17.5	18.6	7.5	17.7	441	17.
47 10 51	11.7	11.5	5.9	4.6	6.5	9.8	15.7	13.2	21.1	479	19.
12 10 46	20.6	7.2	3.3	1.9	7.2	10.3	12.0	13.9	23.4	350	14.
27 TO 41	11.7	4.1			6.1	8.2	15.8	24.0	30.1	196	7.
32 *0 36	4.9				2.5	7.4	14.8	24.7	45.7	81	3.
27 10 31						8.3	25 · D	16.7	50.0	24	1.
22 10 26						20.0			90.0		
1 10 21											
12 10 16											
7 10 11											
2 10 6											
-3 to 1											
-10 *O *	+						h				
IN 10 -14											
- 25 10 19								~			
-28 10 -24								··			
-33 10-29											
22.10 141							tt				

3.5 13.2 18.0 15.5 10.7 18.7

NAVWEASERVCOM

- 53 10 - 49

TOTALS

VS. WIND DIRECTION

14°55 TENVIEW, IL JANUARY 1973-DECEMBER 1982 NOVEMBER STATION

		AF REITAT	4.1.1.5				1 £ AR 5			MONTH	
				1	WIND DIRE	ECTION					
TEMP.	NNW	NNE	ENE	ESE	SSE	ssw	wsw	WNW 8 NW	CALM	TOTAL	°- OF
	8 N	8 NE	8 F	8 SE	8.5	w2.8	8. W	- & NW		FREQ.	TOTAL
122 -			+								
117 TO 121											
107 TO 111								·			
											
102 1O 106		-									
92 10 96			+	· 							
87 TO 91											
82 10 86				+							
77 10 81					·						
72 10 76				+	30.0	60.0	10.0			10	. 4
67 10 71					10.5	52.6	21.1	5.3	10.5	19	8
62 10 66	1.1	1.1	2.1	2.1	23.4	51.1	9.6	<u>, , , , , , , , , , , , , , , , , , , </u>	9.6	94	3.9
57 10 61	1.8	6.1	3.6	1.2	25.5	36.4	12.7	1.8	10.9	165	6.9
52 10 56	1.3	11.3	6.7	2.5	18.0	28.5	13.4	6.3	12.1	239	10.0
47 10 51	6.9	5.5	7.3	5.5	17.4	19.7	16.1	6.0	15.6	218	9.1
42 TO 46	10.8	10.5	10.8	4.7	11.1	17.7	17.5	7.2	9.7	361	15.7
37 TO 41	13.1	3.0	5.6	3.5	5.6	19.4	22.0	12.2	15.5	427	17.8
32 TO 36	11.9	3.1	4.4	1.8	9.0	11.4	23.8	18.9	15.8	387	16.1
27 10 31	13.4		1.6	1.2	5.5	7.9	26.9	28.1	15.4	253	10.5
22 10 26	15.6				5.9	7.4	31.9	21.5	17.8	135	5.6
1/ 10 21	10.9				5.5	5.5	38.2	23.6	16.4	55	2.3
12 10 16			7.1				35.7	28.6	28.6	14	.6
7 70 11							69.2	30.8		1 7	• 5
2 10 6							71.4	28.6		7	• 3
- 3 70 1							100.0			7	• 1
- 8 TO- 4											
= 13 TO = 9		Ī									
- 18 TJ-14											
-23 TO-19											
-28 TO-24											
-33 10 - 29					I						
-38 TO-34											
-43 TO - 39		I									
45 10-14											
-5.10-47											
-58 TO -54											
- 59 8 LWR											
TOTALS	9.3	4.7	5.2	2.7	11.4	19.1	21.0	12.8	13.8	2400	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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WIND DIRECTION

JANUARY 1973-DECEMBER 1982 DECEMBER HORE LAND

	MIND	DIRE	CTION
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					VIND DIRE	CTION					
TEATP.	NNV	NNE	EME	123	322	ssw	wsw	www	CALM	TOTAL	74 G#
ļ <u> </u>	8 N	8 NE	_ & F	. S. S.E.	8.5	W2 &	8 W	& N.W.		FREQ.	TOTAL
122 -				+					~		
117 10 121			+	·i							
112 10 115											
107 10 111											
102 TO 106											
97 10 101 ;			-								
35 10 30			 j-								
87 TO 91											
82 TO 56			i	-							
77 TO E			-								
72 10 76											
67 TO 71			<u></u>								
62 10 66				5 • 6	27.8	50.C	16.7			10	. 7
57 TO 61		<u>_</u>		5.7	26.1	50.0	13.0		2.2	46	1.9
52 10 56		2.0		2.0	32.0	48.0	4.0	4.5	3.C	50	2.0
47 10 51		3.4	1.7	13.8	25.9	31.0	12.1	1.7	10.3	58	2.3
42 10 46	10.5	17.1	2.9	2.9	18.1	24.8	17.1	2.9	3.8	105	4.2
37 10 41	5.7	6,9	6.9	8 . 4	13.4	27.6	18.8	4.2	8.0	261	10.5
32 10 36	10.0	7.4	8.6	4.0	10.9	18.8	18.1	9.3	12.8	569	23.5
27 10 31	12.1	3.4	3.6	5.2	13.7	14.9	19.5	13.9	13.7	497	20.1
22 10 26	17.4	4.0	3.7	1.6	7.8	17.1	22.1	15.3	10.9	321	13.0
11 10 21	18.4			5	7.0	17.8	25.4	23.8	7.C	1 25	7.5
15 10 76	11.5				10.1	10.3	28.8	30.2	8.6	139	5.6
7 10 11	5.4				8.9	5.4	33.9	37.5	8.9	112	4.5
2 10 6	9.2					7.7	30.8	46.2	6.2	65	2.6
-3 10 1	2.4						48.8	41.5	7.3	41	1.7
· 6 T()=4	+						50.0	40.0	10.3	17_	4
1-12-50 9	-		- +	-			170.0				
- 18 TO-14				-							
- 23 10 - 19 :			·								
28 TQ 24											
-33 TO - 29											
-38 TO-34	+										
-43 10 - 32							·				
15 TO 14											
53 TO = 42											
35 TO 54											
TOTALS	-,		+					• • •		25.95	100 0
TOTALS	10.6	4.5	4.1	3.8	11.9	18.8	21.3	14.8	10.3	2470	100.0

VS.

WIND DIRECTION

TETNITER, IL JANUARY 1973-DECEMBER 1982 ALL

					WIND DIRE	CTION					
11.4.9.	4.4.5. S. %	NNE & NE	ENE & f	FSF & St	55E & 5	w2.8	W577 & W	WNW & NW	CALM	TOTAL	F. OF
1										··	
10000											
THE TOTAL			-		-				···-		
10/12/11	+										
37 f (1) 100 1		- -	11.1			66.7	11.1	11.1			• 7
72 70 16	2.2	1	2.2		9.7	35.5	47.3	1.1	1.1	93	. 3
197 1 2	3.1	1.1	4.8	2.3	13.3	36.0	32.7			392	1.3
·	1.7			5.2	15.2	30.9	27.0	7.3	2.0		
82 TO 86	2.3	2 · 7 5 · 4	7.1	6.9	15.3	25.1	19.9		2.9	941	2.9
17 19 FL +		9.3	12.6		14.5	20.5	14.6	5.3 5.5	6.7 12.4	<u>1454</u> 2255	5.0 7.7
67 10 71	3.8 6.5	11.9	10.7	5 • 9	13.4	15.5	12.3			2709	
-	. 1	11.2		6.3				5.1	18.3		9.3
62 TO 66	6.3	12.3	9.3	4.9	12.6	15 c 7	12.1	5.6	22.4	2494	8.5
57 10 61	8.6	12.9	9.9	5 • 2	11.4		12.5	5.9	20.3	2220	7.6
52 TO 56	7.7		10.2	4.5	11.0	14.0		8.2	19.3	2131	7.3
47 10 51	10.6	13.6	8.9	5.7	9.4	10.7	12.3	10.2	18.6	1907	6.5
42 10 46	13.2	12.8	9.8	4.5	9.2	12.2	14.0	8.4	15.8	1935	6.6
12 10 41	10.7	10.4	10.5	4.8	6.9	13.9	17.1	11.1	14.7	2099	7,2
11.10.20	10.9	10.9	10.5	3.9	7.6	13.4	17.7	15.9	14.1	2596	8.9
27 10 3	12.9	8.2	8.4	3.3	7.5	10.5	20.0	14.4	14.6	1884	6.4
12 10 36	14.8	6.1	6.9	2.0	6.4	14.3	20.2	17.1	12.3	1354	4.5
17 10 21	16.4	1.9	2.4	2.3	7.1	13.9	22.9	21.0	12.6	822	2.9
12 10 16	15.2	• 9	?;	1.4	5.4	10.5	25.3	29.5	10.5	564	2.3
7 15 11	11.3	- 3	1.2	• 2	4.3	7.5	29.2	32.9	13.3	575	2.0
Z_T(1.5	3 • 4	<u> 3 j</u>	<u> 1.0</u>	<u>•</u> . 5 ₊	2.1	8.1	38.6	34.2	6.8	383	1.3
10 to 1	5.5		· · · · - · - · +	• 4	2.5	12.2	43.7	28.2	7.6	238	. 8
5 10 - 4			+			11.4	54.5	28.4	5.7	9.8	• 3
13.13	·	}				7.9	60.5	21.1	10.5	38	• 1
18:3:14	5 • €			 		5.0	45.0	45.0		50	• 1
7 1/3 19		· · ·					20.0	80.0		5	• 0
28 10 -24	·										
-30 TO - 29											
S Tr 5 = 14											
1 10 11											ļ
F +	+		·	· · · · · ·							
13.12.34											
11 % 1 AP		i									
TOTALS	. 9	9.3	6 • 5	4.5	10.2	15.3	17.2	10.5	15.1	29214	100.0

Federal Building ville, N. C.

RT F

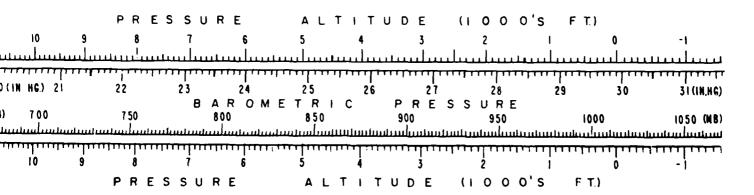
PRESSURE SUMMARY

ented in this part are two tables giving the means, standard deviations, and total number of observations tation pressure and sea-level pressure by month and annual for the local hourly observations corresponding the eight 3-hourly symoptic times GCT. The same computations are also provided at the bottom of the page all hours combined. All years of data available are combined in both of these tables, although the overall to distinct to January 1946 through December 1963 because of changes in reporting practices before and those dates.

Station pressure in inches of mercury.

Sea-level pressure in millibars.

vided below is a scale to convert station pressure values in inches of mercury or millibars to pressure itude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian ecrological Tables.



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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14355

GLEFVIEW, IL

73-82

STATION			S	TATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	ΑFR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ANNUAL
	MEAN	1018.7	1019.4	1015.6	1015.7	1014.1	1014.2	1015.6	1016.8	1017.3	1017.7	1017.9	1018.0	1016.7
20	S. D.	9.683	9.550	8.717	8.495	5.719	5.385	4.023	4.161	5.126	6.941	8.221	9.081	7.527
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN												1018.0	1016.
Ç. 3	\$. D.	7.835	9.947	8.941									9.198	7.714
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	355
	MEAN	1 110 0	1012 2	1015 0	1016 2	1 C 1 A 7	1014.7	1016-1	1017.3	1017.9	1018-2	1018-0	1018.0	1017.
_	S. D.			8.979										7.777
<i>:</i> .	TOTAL OBS	311	f					•						365
	10171000	311			300		300	3111	310		310	200	3.0	303
	MEAN	1019.8	1020.0	1016.5	1016.7	1015.0	1015.0	1016.5	1017.8	1016.5	1018.9	1018.7	1018.8	1017.7
20	S. D.												9.430	7.85
	TOTAL OBS	311	1											365
	L	ļ												
	MEAN	1019.1	1019.6	1016.0	1016.2	1014.6	1014.5	1016.2	1017.3	1017.8	1018.1	1017.8	1018.0	1017-1
1 1	\$. D.	7.552	9.879	8.906	8.970	6.095	5.932	4.223	4.345	5.286	7.153	8.429	9.550	7.756
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	365
	MEAN												1017.3	1016.
1	S. D.		1	•									9.265	7.56
	TOTAL OBS	310	292	310	300	310	300	310	310	300	310	300	310	3657
	MEAN	1019-0	1019-4	1015.2	1015.3	1013-4	1013-4	1014.9	1016-0	1016.7	1017-5	1017.8	1018.D	1016.4
1 :	S. D.												9.009	7.468
	TOTAL OBS	310	5	, ,		,	300	J						365
	MEAN	1019.0	1019.7	1015.6	1016.1	1014.2	1014.2	1015.6	1016.7	1017.3	1017.9	1018.1	1018.3	1016.9
21	S. D.			8.521										7.408
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	365
	MEAN			1016					1016	1017 5	1017 0	1017	1010 0	1014
ALL	S. D.												1018.0	1016.
HOURS													9.217	7.647
	TOTAL OBS	2432	1 2256	2480	2900	2480	2400	25.50	<u> </u>		4980	2900	2478	29216

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HE FROM HOURLY OBSERVATIONS

14355

GLENVIEW, IL

73-A2

STATION			5	TATION NAME						YEARS			<u></u>	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	27.354	29.380	29.282	29.293	29.255	29.266	29.307	29.343	29.351	29.355	29.352	29.344	29.323
10	S. D.	.273	. 270	.247	.242	.163	.158	.115	.119	.146	.197	.234	.258	.213
	TOTAL OBS	310		310				310	310	300	310	300	310	3652
									ļ <u>.</u>					
	MEAN	29.358	29.369	29.270	29.285	29.248	29.258	29.298	29.335	29.346	29.353	29.348	29.343	29.317
:j ₹	S. D.	.277	•280	.254	.247	.169	.161	.119	.124	.149	.201	.238	.262	.218
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
		 					ļ							
	MEAN	29.359	29.373	29.287	29.304	29.271	29.278	29.323	29.356			29.352	29.343	29.332
- j #	S. D.	.274					1	1						.220
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
		ļ	ļ				ļ	 	ļ	ļ	ļ			
	MEAN	27.386	29.397	1	i					1	1	1	29.366	29.349
. ;	S. D.	.273											1 1	•222
	TOTAL OBS	311	282	313	300	310	300	310	310	300	310	300	310	3653
						<u> </u>								
	MEAN	il	1					ſ	1	2	,	J	29.344	29.334
17	S. D.	.269			ş				•	1			1 - 1	.219
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	115.451	ļ												
	MEAN												29.325	29.308
1 .	S. D.	.266	(ſ	, ,	.214
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	80 818		20 20			22 243	20 200	20 710	20 334	20 240	20 747	20 700	20 713
	S. D.	li _	1	ſ									29.344	29.312
1	TOTAL OBS	•267			1			.114		1		1	1 1	.219
	TOTAL OBS	310	232	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	23 7/4	20 709	20 262	26 703	20 257	20 26 7	20 704	20 770	20 351	20 24	20 755	29.351	29.326
9.1	S. D.	li .	1	ı	1								t I	27.320
31	TOTAL OBS	.274 310												3651
	.5171 083		404	- 310			1 200	313			- 244	300	777	4478
	MEAN	27.362	29.370	29.281	79.294	29.258	29.266	29.311	29.343	29.355	29.360	29.351	29.345	29.325
ALL	\$. D.	272	ł	,	J	1		.119						.216
HOURS	TOTAL OBS	2492						2480						29216

END DATE FILMED COC